CD AUTO CHANGER

KDC-C603

SERVICE MANUAL

KENWOOD

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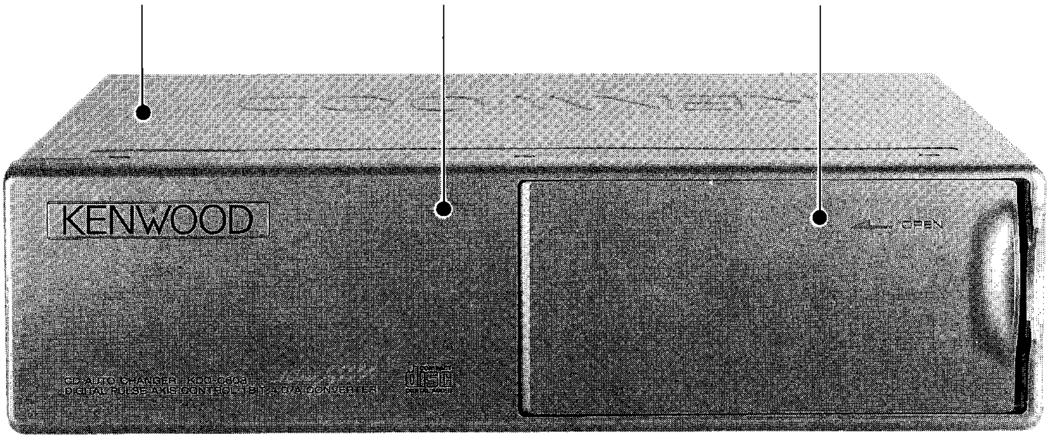
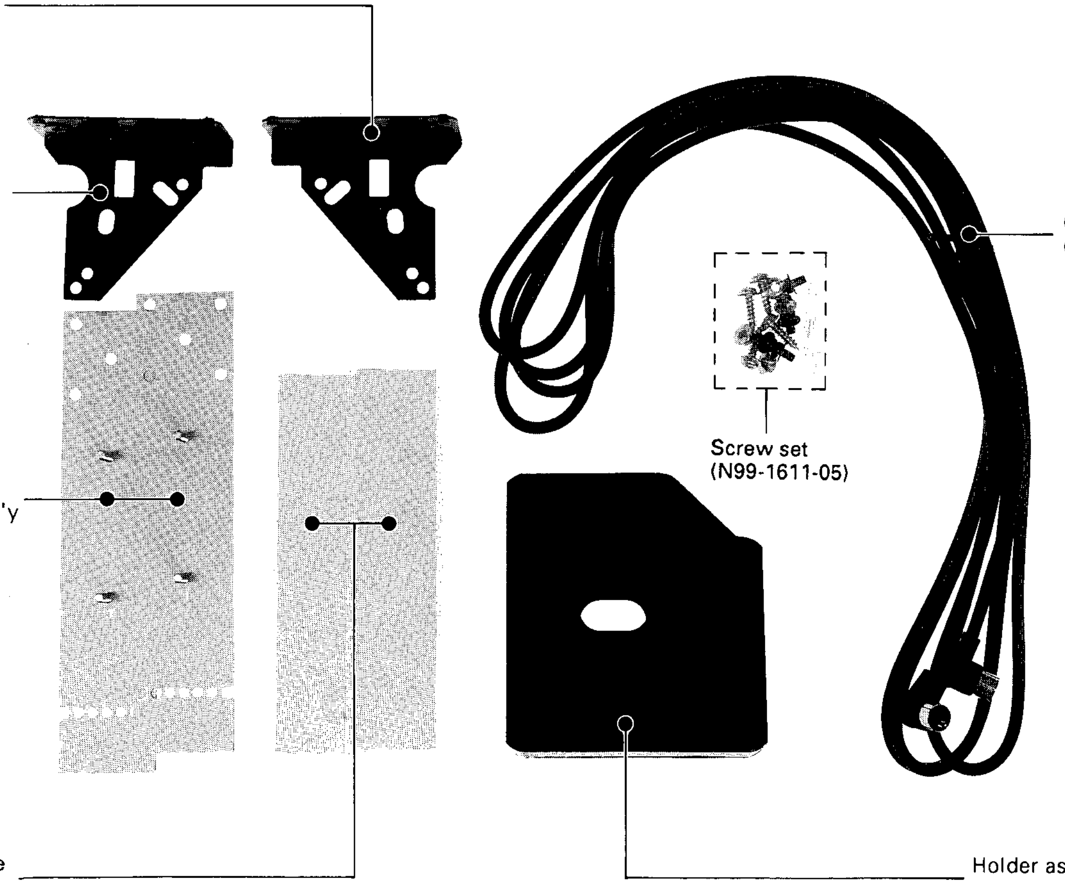
B51-6797-00(N)3730


Metallic cabinet
(A01-2577-21)
Panel ass'y
(A64-0517-02)
Dressing panel
(A21-2325-22)
KENWOOD
OPEN


Bracket
(J19-4533-13)
Bracket
(J19-4534-13)
Cord with plug
(E30-4138-05)
Screw set
(N99-1611-05)
Mounting
hard ware ass'y
(J21-7328-14)
Adhesive tape
(J69-0503-14)
Holder ass'y (Magazine)
(J19-4566-32)

CONTENTS/CONNECTIONS/SERVICE NOTE

CONTENTS

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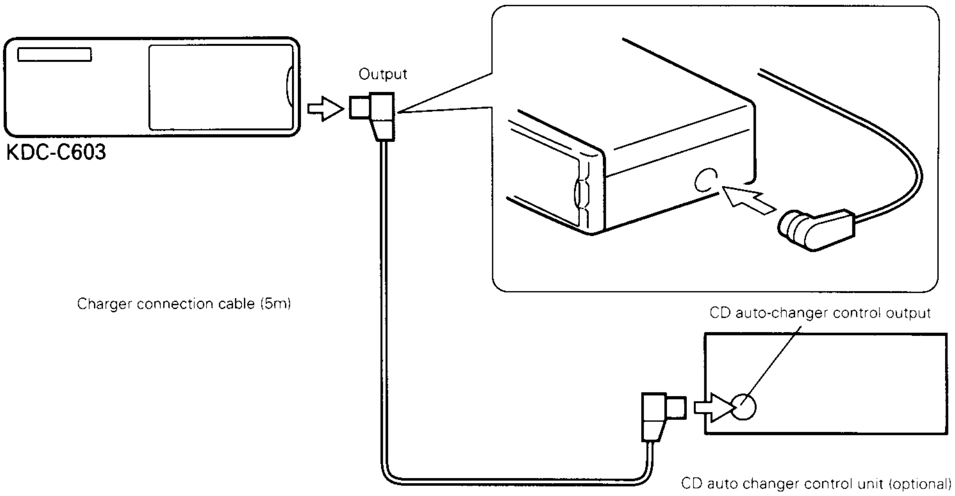
CONNECTIONS

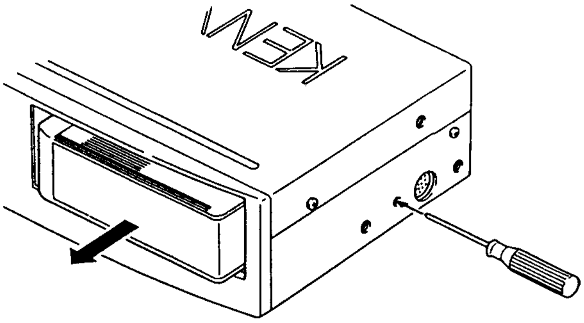

Output
KDC-C603
Charger connection cable (5m)
CD auto-changer control output
CD auto changer control unit (optional)

- Do not install an antenna of radio equipment or distribute the antenna cable near the changer output cable, for this could cause malfunction with this unit.

SERVICE NOTE

When power is not supplied to the unit, the disc magazine can be forced open with the following operation.

Insert a thin screwdriver or a rod into the hole on the right side of the unit, and push lightly. The internal lock will be released and the disc magazine will be ejected.



Caution

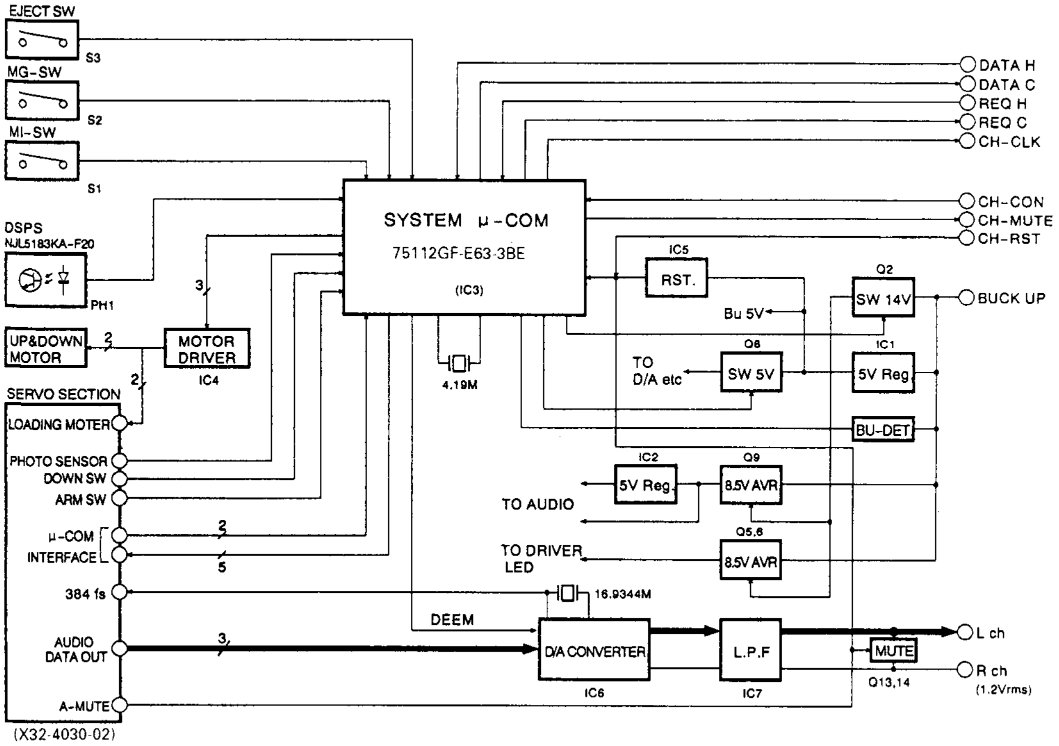
If the operation above is performed while a disc is present in the CD mechanism, the disc will remain inside the unit even after the disc magazine had been ejected.

With this condition, when the unit is set to the normal operation mode (with the power supplied) and the magazine is inserted, the disc remaining inside will be recovered in the lowest position (Disc No.1) of the disc magazine.

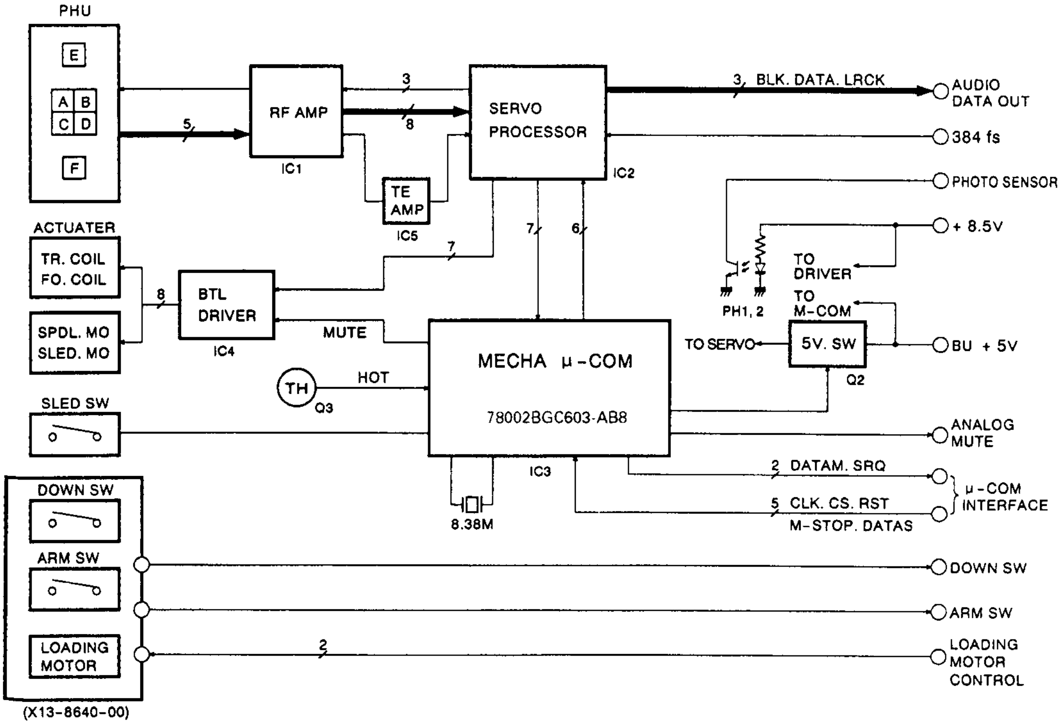
Therefore, if the disc magazine is inserted with a disc present in the lowest position (Disc No.1), the two discs will collide and malfunction will result.

BLOCK DIAGRAM

Unit

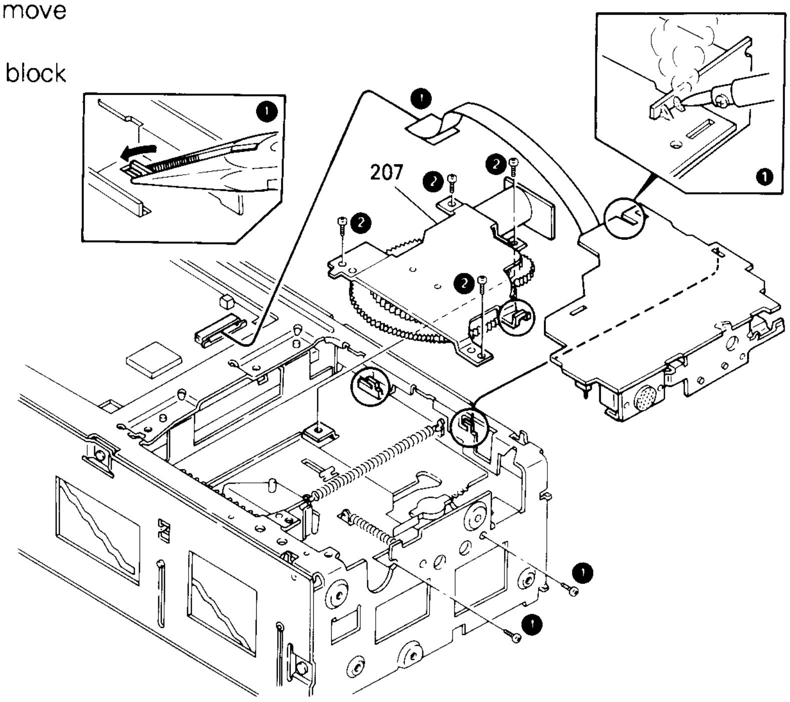

EJECT SW
S3
MG-SW
S2
MI-SW
S1
DSPS
NJL5183KA-F20
PH1
UP&DOWN MOTOR
2
MOTOR DRIVER
IC4
3
2
SERVO SECTION
LOADING MOTER
PHOTO SENSOR
DOWN SW
ARM SW
μ-COM INTERFACE
2
5
384 fs
AUDIO DATA OUT
3
A-MUTE
(X32-4030-02)
SYSTEM μ-COM
75112GF-E63-3BE
(IC3)
4.19M
IC5
RST.
Bu 5V
Q2
SW 14V
IC1
5V Reg
Q8
SW 5V
TO D/A etc
BU-DET
IC2
5V Reg
Q9
8.5V AVR
TO AUDIO
Q5,6
8.5V AVR
TO DRIVER LED
16.9344M
DEEM
D/A CONVERTER
IC6
L.P.F
IC7
MUTE
Q13,14
DATA H
DATA C
REQ H
REQ C
CH-CLK
CH-CON
CH-MUTE
CH-RST
BUCK UP
L ch
R ch
(1.2Vrms)

Servo Section

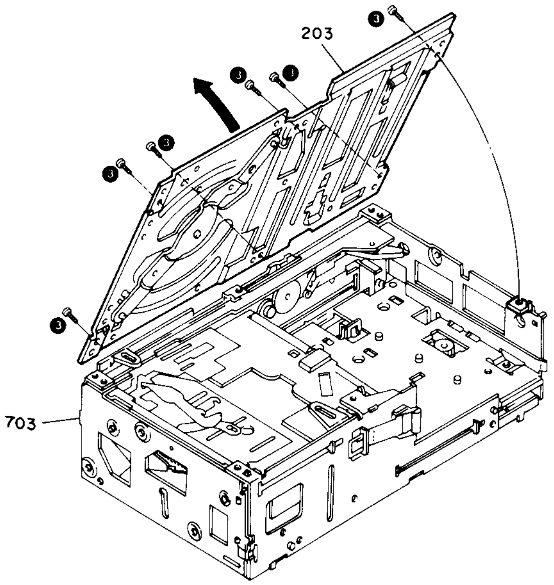

PHU
E
A B
C D
F
5
RF AMP
IC1
3
8
TE AMP
IC5
SERVO PROCESSOR
IC2
3 BLK. DATA. LRCK
AUDIO DATA OUT
384 fs
PHOTO SENSOR
+ 8.5V
ACTUATER
TR. COIL
FO. COIL
SPDL. MO
SLED. MO
8
BTL DRIVER
IC4
7
MUTE
7
6
TH
Q3
HOT
MECHA μ-COM
78002BGC603-AB8
IC3
8.38M
PH1, 2
TO DRIVER
TO M-COM
TO SERVO
5V. SW
Q2
BU + 5V
ANALOG MUTE
2 DATAM. SRQ
5 CLK. CS. RST
M-STOP. DATAS
μ-COM INTERFACE
SLED SW
DOWN SW
ARM SW
LOADING MOTOR
2
(X13-8640-00)
DOWN SW
ARM SW
LOADING MOTOR CONTROL

DISASSEMBLY FOR REPAIR

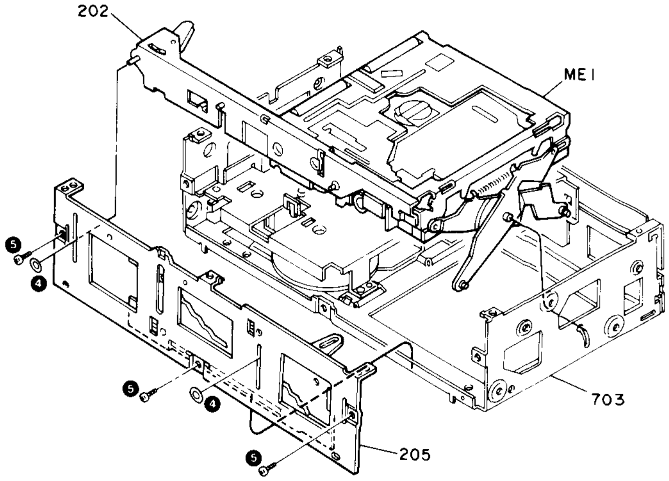
1. Disconnect the connector, remove solder, remove the screws and take out the circuit board.
2. Remove the screws and take out the gear block (207).


❶
207
❷
❶
❷
❷
❷
❶
❶
❶

3. Remove the screws and remove the upper chassis (203).

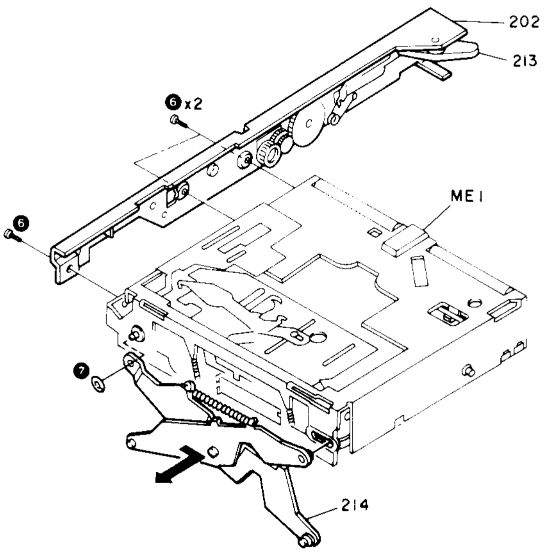

203
❸
❸
❸
❸
❸
❸
703

4. Remove the washers and screws, then remove the rear chassis (205).
5. Take out the mechanism (ME1) from the chassis.

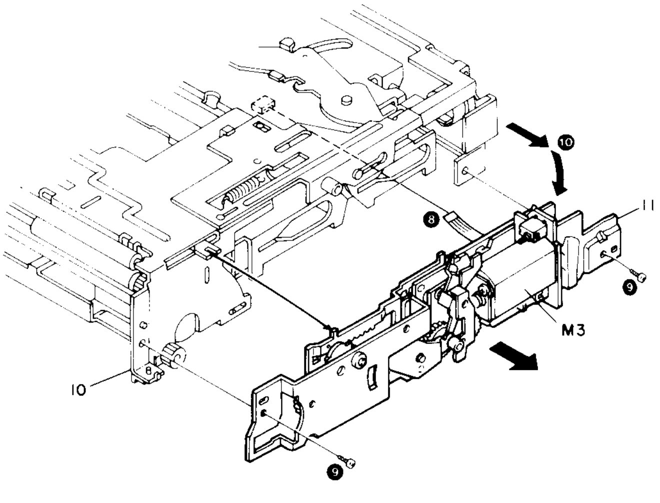

202
ME1
❺
❹
❺
❹
703
❺
205

DISASSEMBLY FOR REPAIR

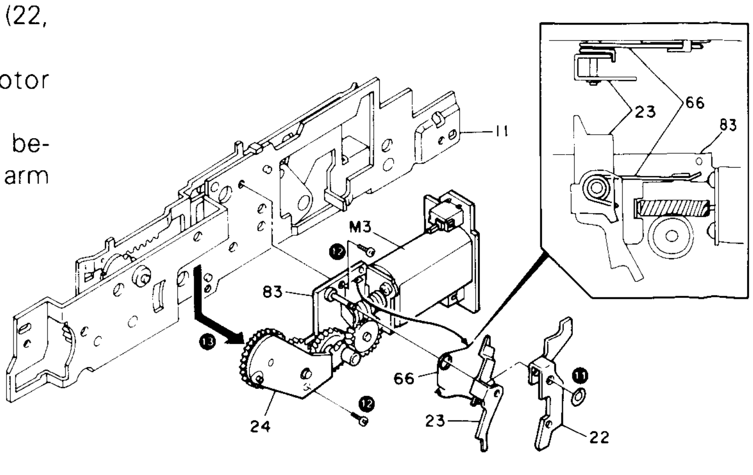
6. Remove the screws and remove the chassis caulking (202).
7. Remove the washer and take out the lever ass'y (214).


202
213
❻x2
ME1
❻
❼
214

8. Disconnect the connector.
9. Remove the screws.
10. Remove the chassis caulking ass'y.

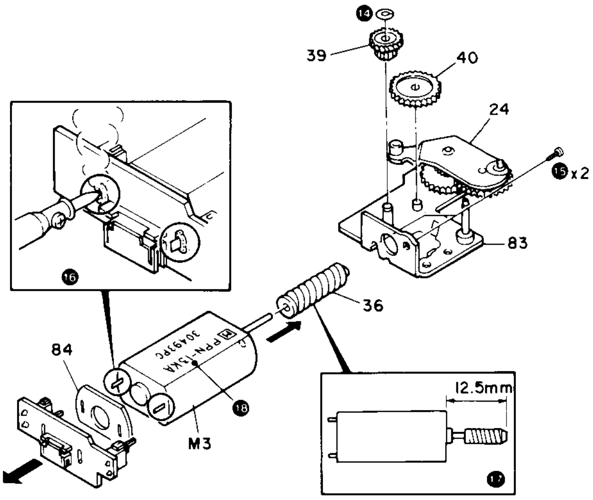

❿
11
❽
❾
M3
10
❾

11. Remove the washer, and remove the arms (22, 23) and spring (66).
12. Remove the screws and remove the motor mounting hardware (38).
13. When assembling the spring (66), attach it between the motor mounting hardware (83) and arm (23).

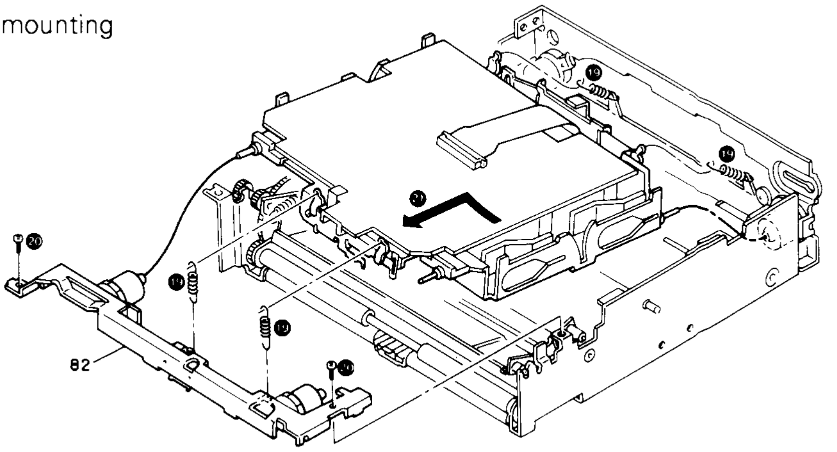

11
23
66
83
M3
⓬
83
⓭
66
⓫
⓬
24
23
22

DISASSEMBLY FOR REPAIR

14. Remove the washer and remove the gears (39, 40).
15. Remove the screws and remove the motor (M3).
16. Remove solder and remove the circuit board.
17. Separate the worm gear (36) from the motor (M3).
18. When assembling the motor, attach it so that the side where characters are printed is positioned as shown in the illustration.

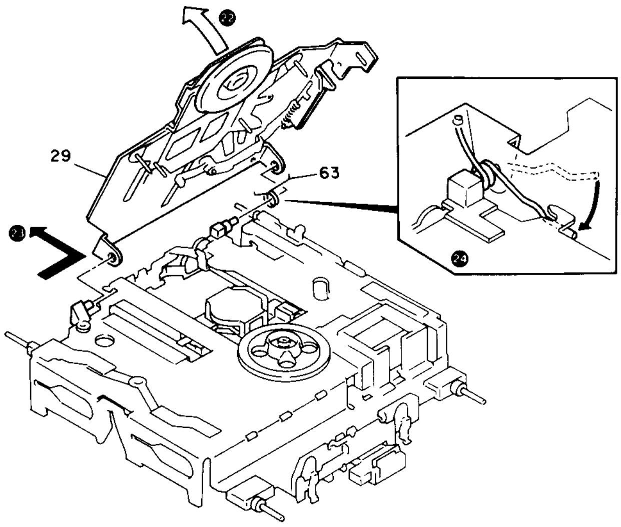


19. Remove the springs.
20. Remove the screws and remove the mounting hardware (82).
21. Take out the main mechanism.

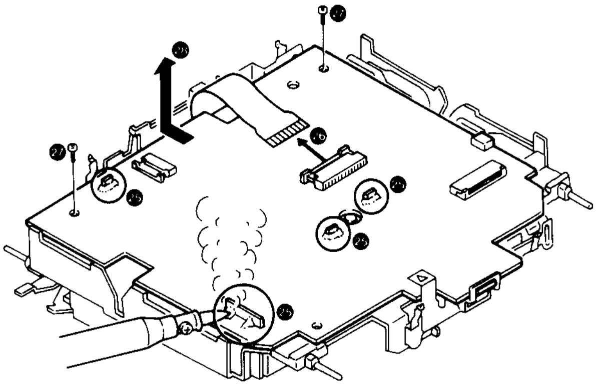


DISASSEMBLY FOR REPAIR

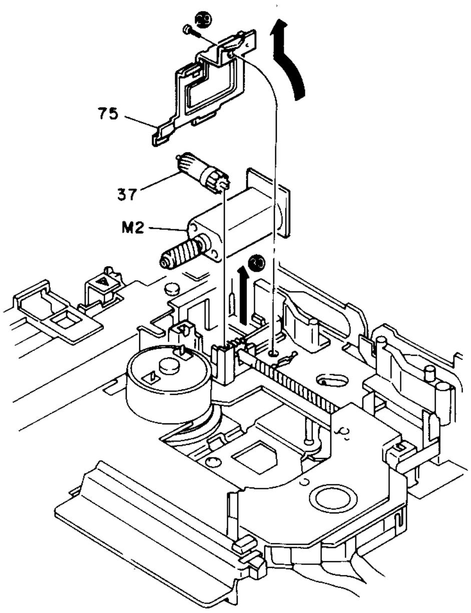
22. Remove the clamp lever (29) as shown in the illustration.
23. Be careful of the spring (63).
24. When assembling the spring (63), attach it to the clam lever (29) before assembling.



25. Remove solder.
26. Disconnect the connector.
27. Remove the screws.
28. Take out the circuit board.

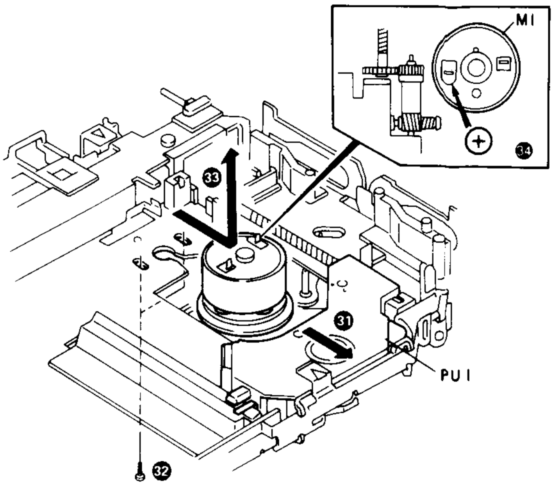


29. Remove the screw and remove the plate spring (75).
30. Remove the gear (37) and remove the sled motor (M2).

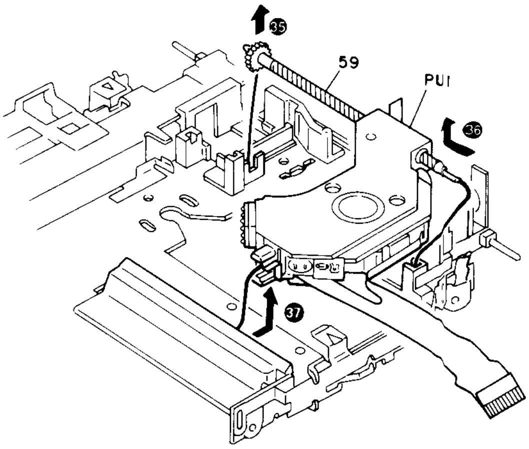


DISASSEMBLY FOR REPAIR

31. Move the pickup (PU1) to the outermost position.
32. Remove the screws through the hole on the turntable.
33. Take out the spindle motor (M1) as shown in the illustration.
34. Be careful of the polarity of the spindle motor (M1).



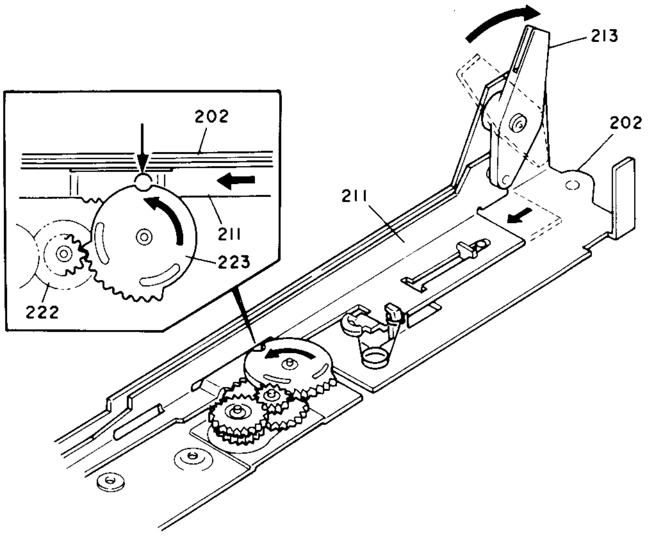
35. Remove the lead screw (59) and pickup (PU1) as shown in the illustration.



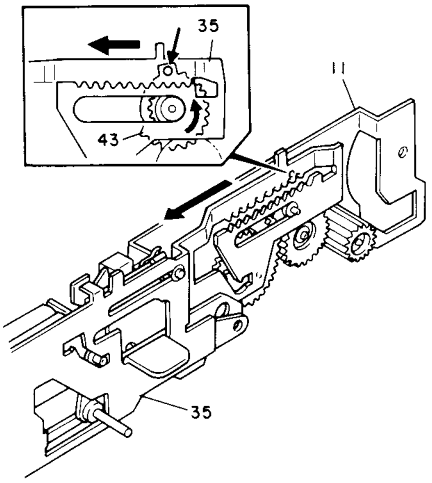
MECHANISM ASSEMBLY PROCEDURE

Point of Assembly

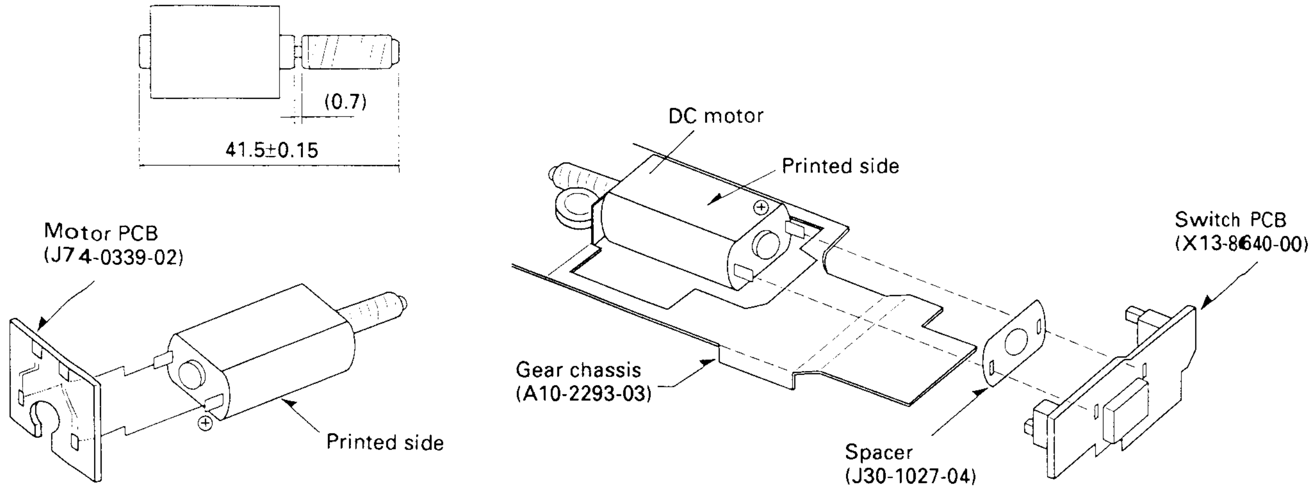
- Align the hole of the loading lever (211) with that of chassis caulking (202).
  Also align the semicircular position of the gear (223) with the holes above and combine all of the parts together.


213
202
202
211
211
223
222

- Align the hole of the gear (43) and that of the loading cam (35) and assemble the parts together.



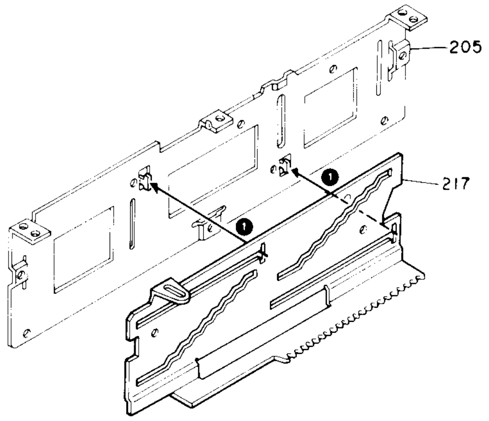
- DC motor assemble procedure


(0.7)
41.5±0.15
Motor PCB
(J74-0339-02)
Printed side
DC motor
Printed side
Switch PCB
(X13-8640-00)
Gear chassis
(A10-2293-03)
Spacer
(J30-1027-04)

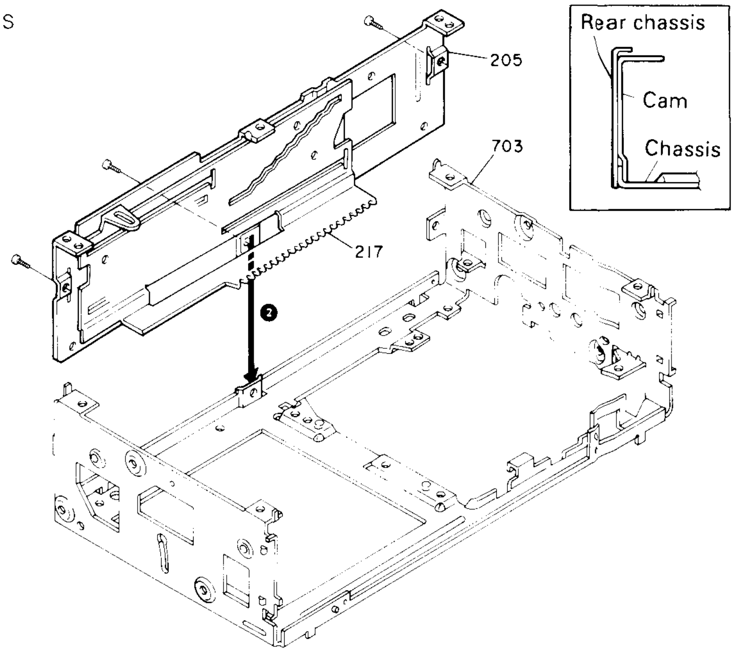
MECHANISM ASSEMBLY PROCEDURE

Assembly Procedure

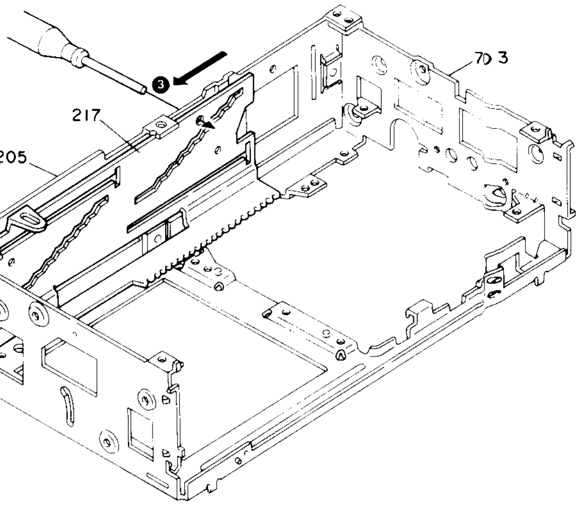
1. Align the holes on the cam (217) with the projections on the rear chassis (205) (❶).



2. Attach the rear chassis (205) to the chassis (703) as shown in the illustration (❷).
   Fasten with 3 screws.

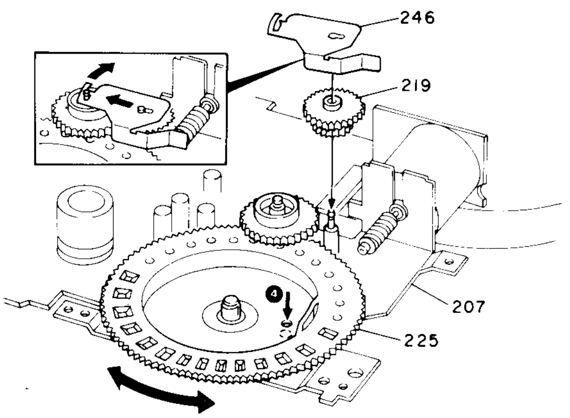

205
703
217
❷
Rear chassis
Cam
Chassis

3. Align the holes on the rear chassis (205) with the holes on the cam (217) and fasten temporarily using a screwdriver (❸).

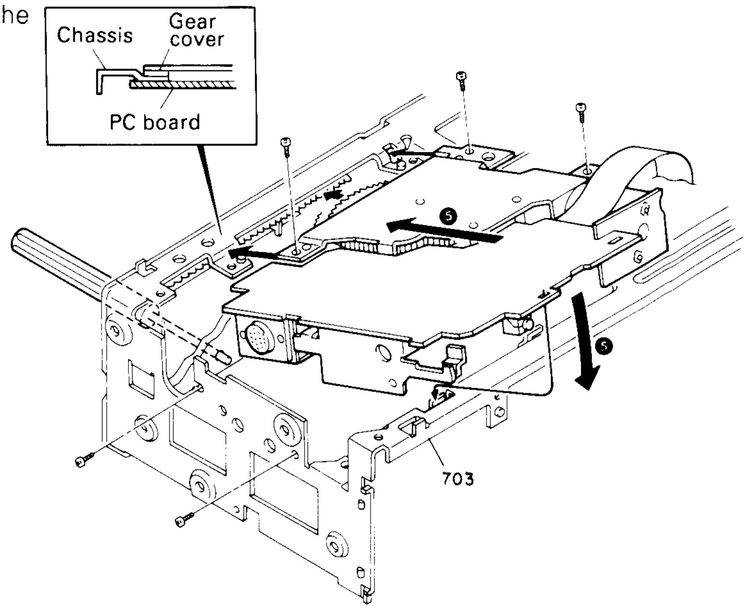

❸
703
217
205

MECHANISM ASSEMBLY PROCEDURE

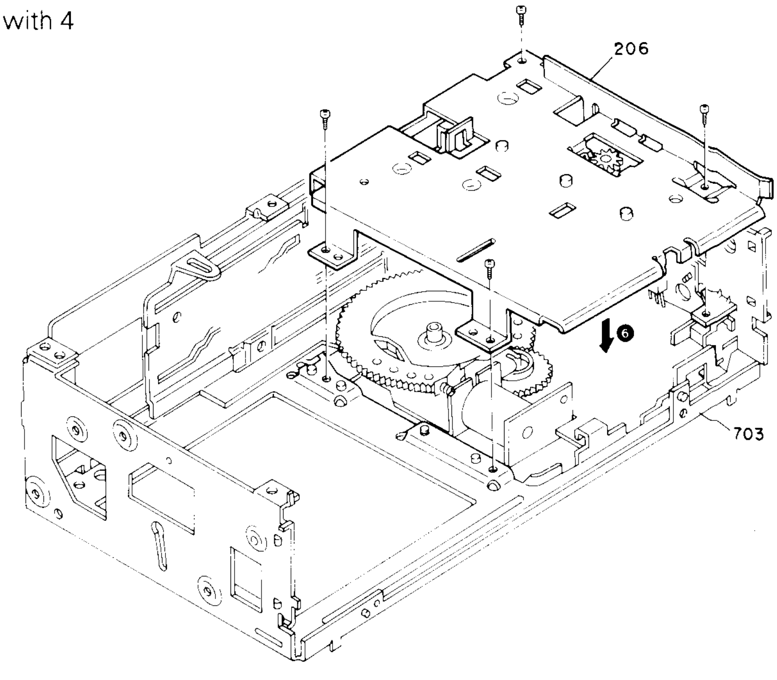
4. Align the hole on the chassis caulking (207) with the hole on the gear (225) (❹).
   Then attach the gear (219) and secure it with the plate spring (246).


246
219
❹
207
225

5. Attach the gear unit combined in step 4 onto the chassis (703) as shown in the illustration (❺).

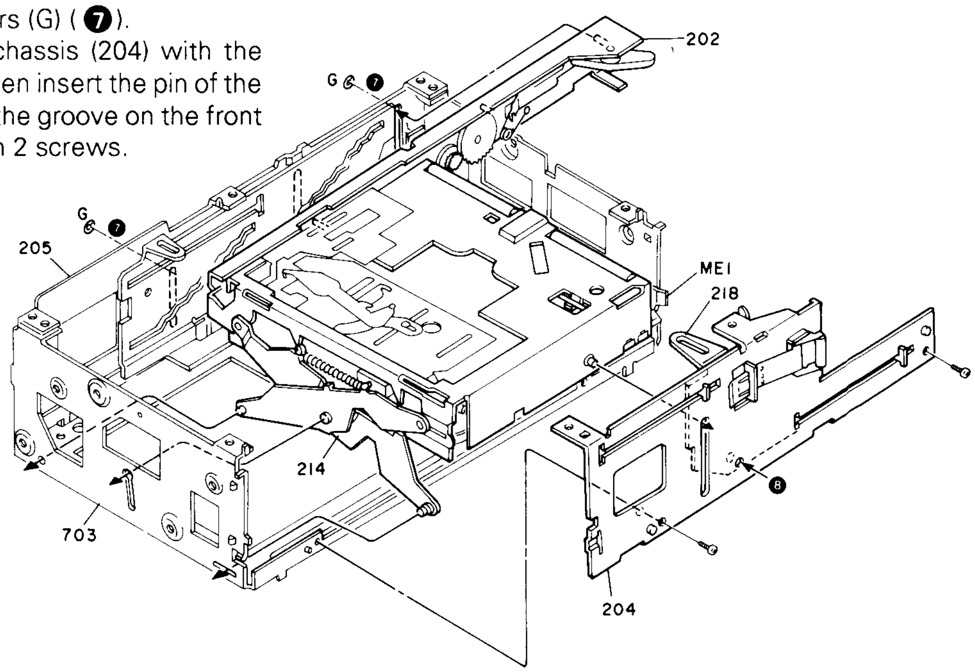

Chassis
Gear cover
PC board
❺
❺
703

6. Attach and fasten the magazine chassis (206) with 4 screws (❻).

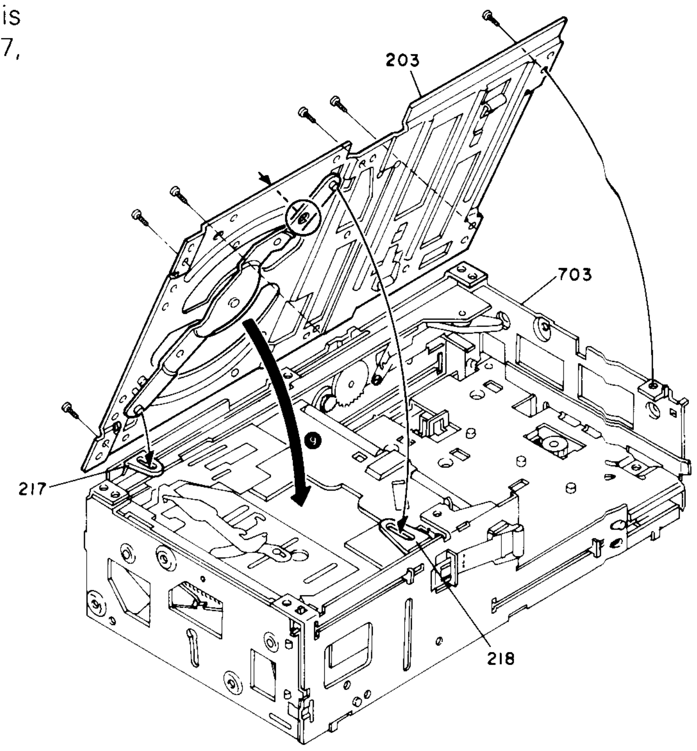


MECHANISM ASSEMBLY PROCEDURE

7. Attach the mechanism ass'y (ME1), lever ass'y (214) and chassis (202) as shown in the illustration and secure them with washers (G) (❼).
8. Align the hole on the front chassis (204) with the hole on the cam (218) (❽), then insert the pin of the mechanism ass'y (ME1) into the groove on the front chassis (204), and fasten with 2 screws.



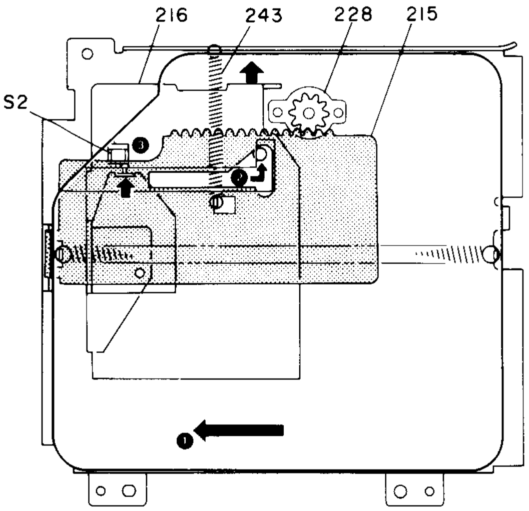
9. Align the projections on the lever of the chassis caulking (203) with the holes on the cams (217, 218), and fasten them with screws (❾).



MECHANISM OPERATION DESCRIPTION

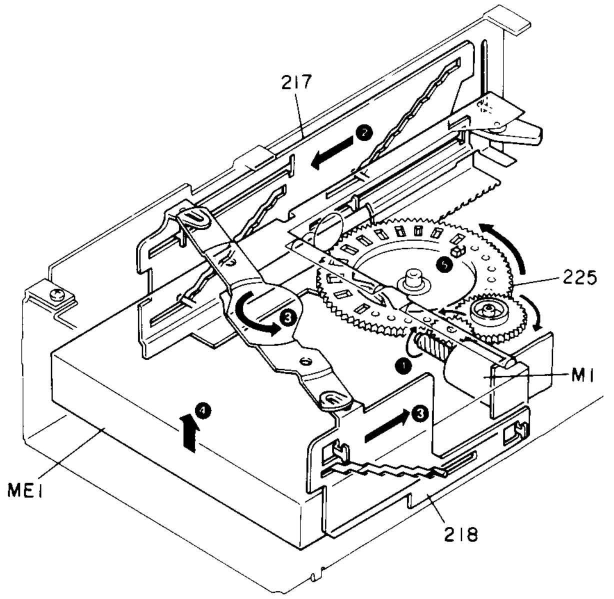
Magazine loading operation

1. When the magazine is inserted manually (①), the lock pin attached to the lever ass'y (216) is freed. As the magazine is inserted further, the lock pin enters the fixing groove on the magazine (②), and the magazine is locked by the ejecting force of the slide lever (215).
   Then the magazine detection switch (S2) is turned ON to detect the presence of the magazine (③).



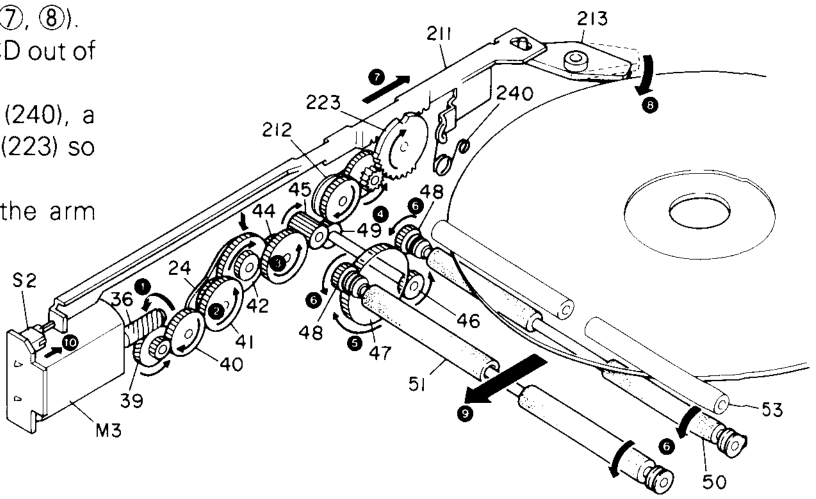
UP/DOWN movement of mechanism (ME1)

1. The motor (M1) rotates to cause the position gear (225) to rotate (①).
2. The rear cam (217) moves toward the left (②).
3. The connecting arm rotates and the front cam (218) moves toward the right (③).
4. The mechanism ass'y (ME1) moves upward along the step-shaped grooves on the cams (217, 218) (④).
5. The stop position of the mechanism ass'y (ME1) is detected by a photo-sensor based on the position of a hole on the position gear (⑤).
6. When the motor (M1) rotates in reverse direction, the mechanism (ME1) moves downward.



Loading

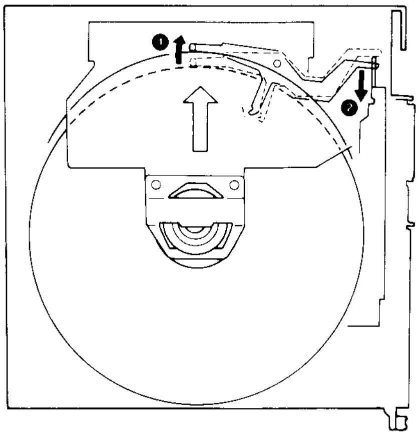
1. The rotation of the loading motor (M3) is transmitted through the gear train and cause the rollers (50, 51) to rotate (①~⑥).
2. The rotation of the gear train pushes the lever (211) and causes the arm (213) to rotate (⑦, ⑧).
3. The rotation of the arm (213) pushes the CD out of the magazine (⑧, ⑨).
4. Due to the force of the reversal spring (240), a non-toothed section appears on the gear (223) so it stops rotation.
5. The switch (S2) is used to detect that the arm (213) is entered inside the magazine (⑩).



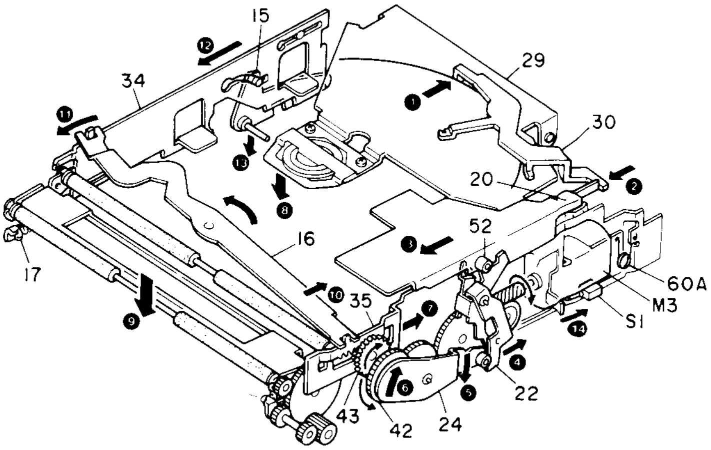
MECHANISM OPERATION DESCRIPTION

Chucking

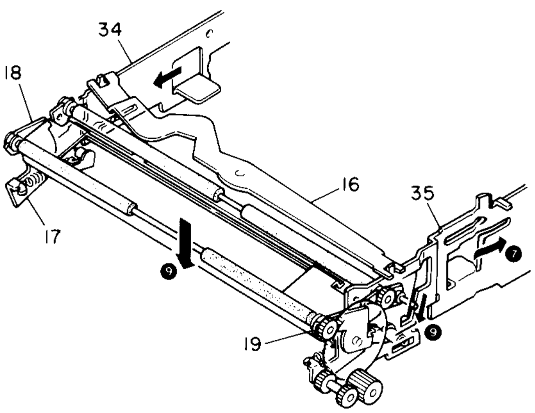
1. The CD is fed by the rollers (50, 51) and pushes against the end lever (①).
2. The end lever (30) rotates and pushes the trigger slider (20) (②).



3. When the trigger slider (20) moves forward (③), the trigger arm (22) starts to rotate (④).
4. The friction arm (24) is rotated by the gear (42) and plate spring (72) (⑤).
5. The gear (42) meshes with the gear (43) (⑥) and moves lock plate R (35) toward the rear (⑦).
6. Lock plate R (35) unlocks the floating chassis, moves the clamper lever (29) downward (⑧) and also moves the rollers (50, 51) downward (⑨).

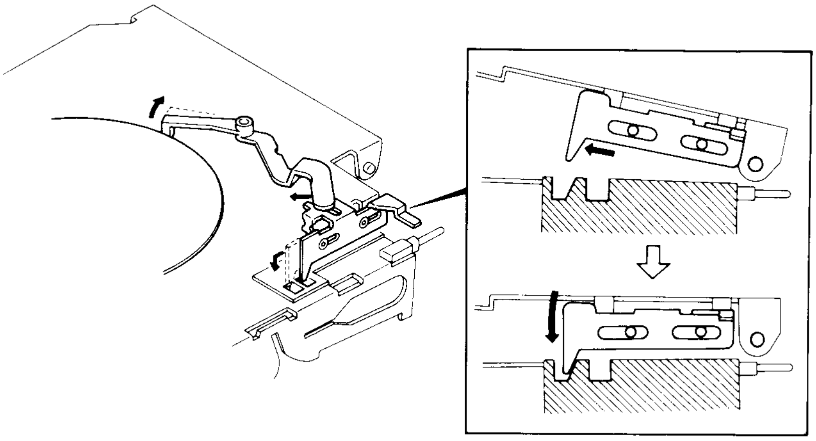


7. By means of the lever (16), lock plate L (34) moves inversely to lock plate R (35) and also unlocks the floating chassis (⑩~⑬).
8. When the chucking operation approaches the end, a non-toothed section appears on the gear (43) so lock plate R (35) is moved by the reversal spring (60A) to the specified position. In this movement lock plate R pushes the switch (S1) (⑭) to stop the motor (M3).



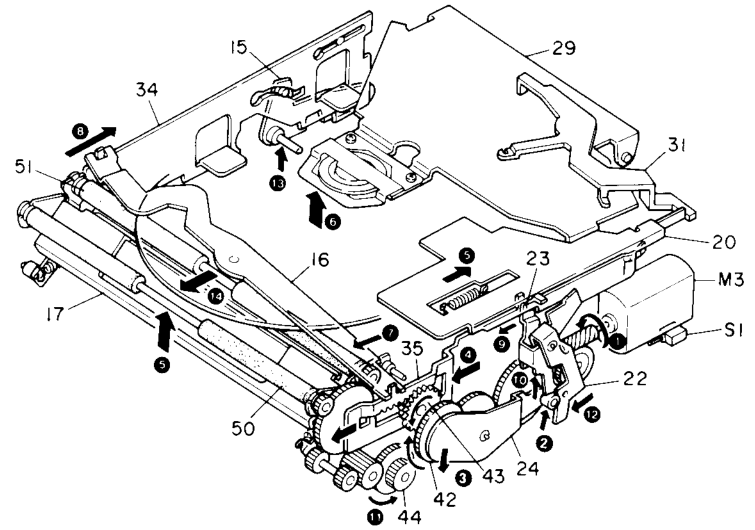
MECHANISM OPERATION DESCRIPTION

9. At the time of chucking, the slide lever is moved forward by the chassis to rotate the end lever and separated from the CD.



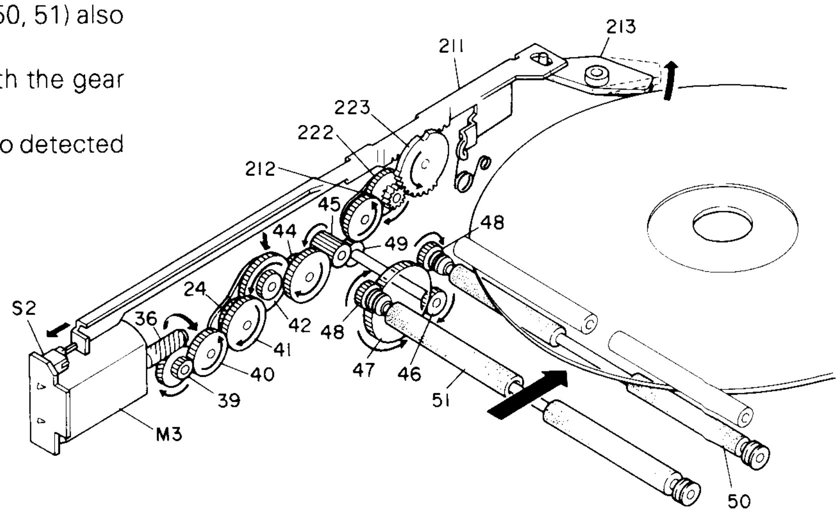
Ejection

1. The motor (M3) rotates in the counterclockwise direction (①).
2. The friction arm (24) rotates in the counterclockwise direction and stops when it hits the reversal trigger arm (23) (②).
3. The rotation of the friction arm (24) causes the gear (42) to mesh with the gear (43) (③).
4. The gear (43) moves lock plate R (35) in the forward direction (④).
5. When lock plate R (35) moves forward, it moves the rollers (50, 51) up (⑤), moves the clamper lever (29) up (⑧) and locks the floating chassis. Lock plate L (34) also functions in the similar way (⑦, ⑧).
6. When lock plate R (35) moves further forward, it pushes the reversal trigger arm (23) (⑨), to unlock the friction arm (24).
7. The friction arm (24) rotates (⑩) and the gear (42) meshes with the gear (44).



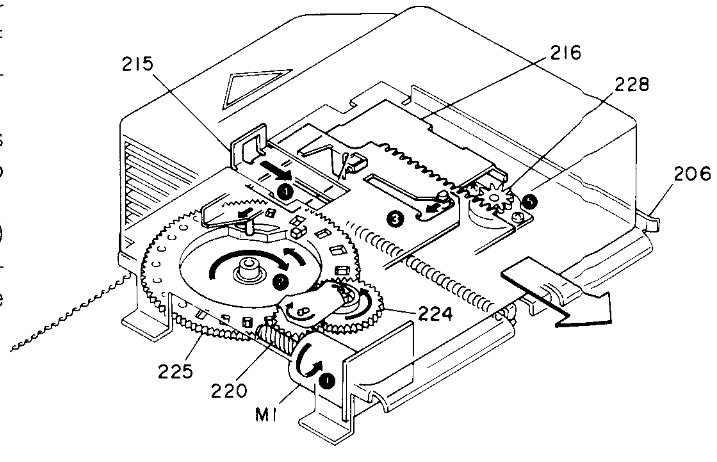
MECHANISM OPERATION DESCRIPTION

8. When the gear (44) rotates, the rollers (50, 51) also rotate and the CD is ejected.
9. At this time, the gear (222) meshes with the gear (223) to return the arm (213).
10. The lever (211) pushes the switch (S2) to detected the return of the arm (213).


213
211
223
222
212
45
48
44
49
24
S2
36
42
48
41
40
47
46
39
51
M3
50

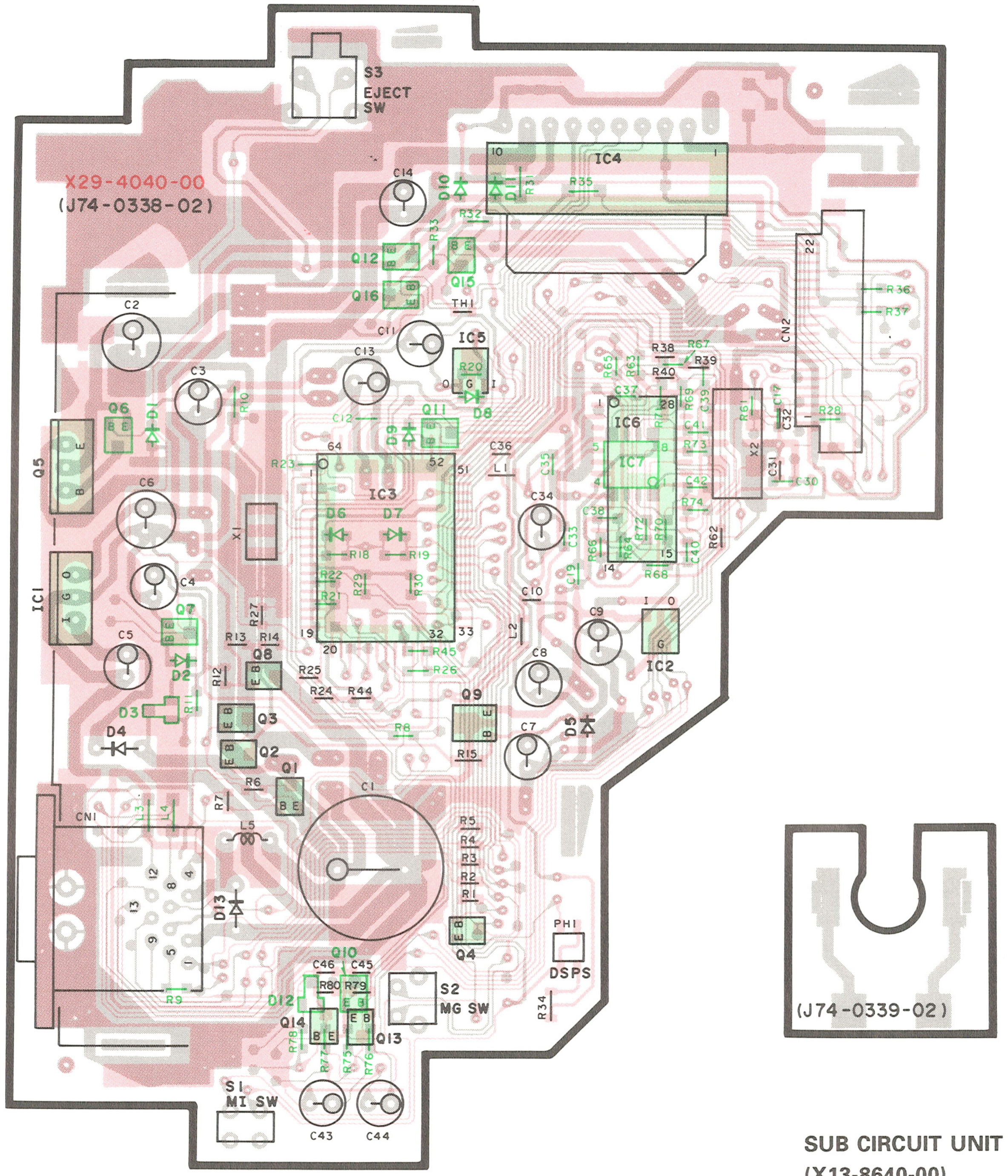
Magazine ejection

1. When the motor (M1) rotates the position gear (225) as shown in the illustration (①), the pin of the lever ass'y (216) is pulled (②) and the magazine is unlocked (③).
2. The lever (215) is pulled by the spring and ejects the magazine (④). The damper (228) is used to prevent the magazine from popping out (⑤).
3. When the ejection hole on the position gear (225) is detected, the motor rotates in the reverse direction and stops at the hole at the first stage of the position gear (225).


215
216
228
206
①
②
③
④
⑤
224
225
220
M1

PC BOARD (COMPONENT SIDE VIEW)

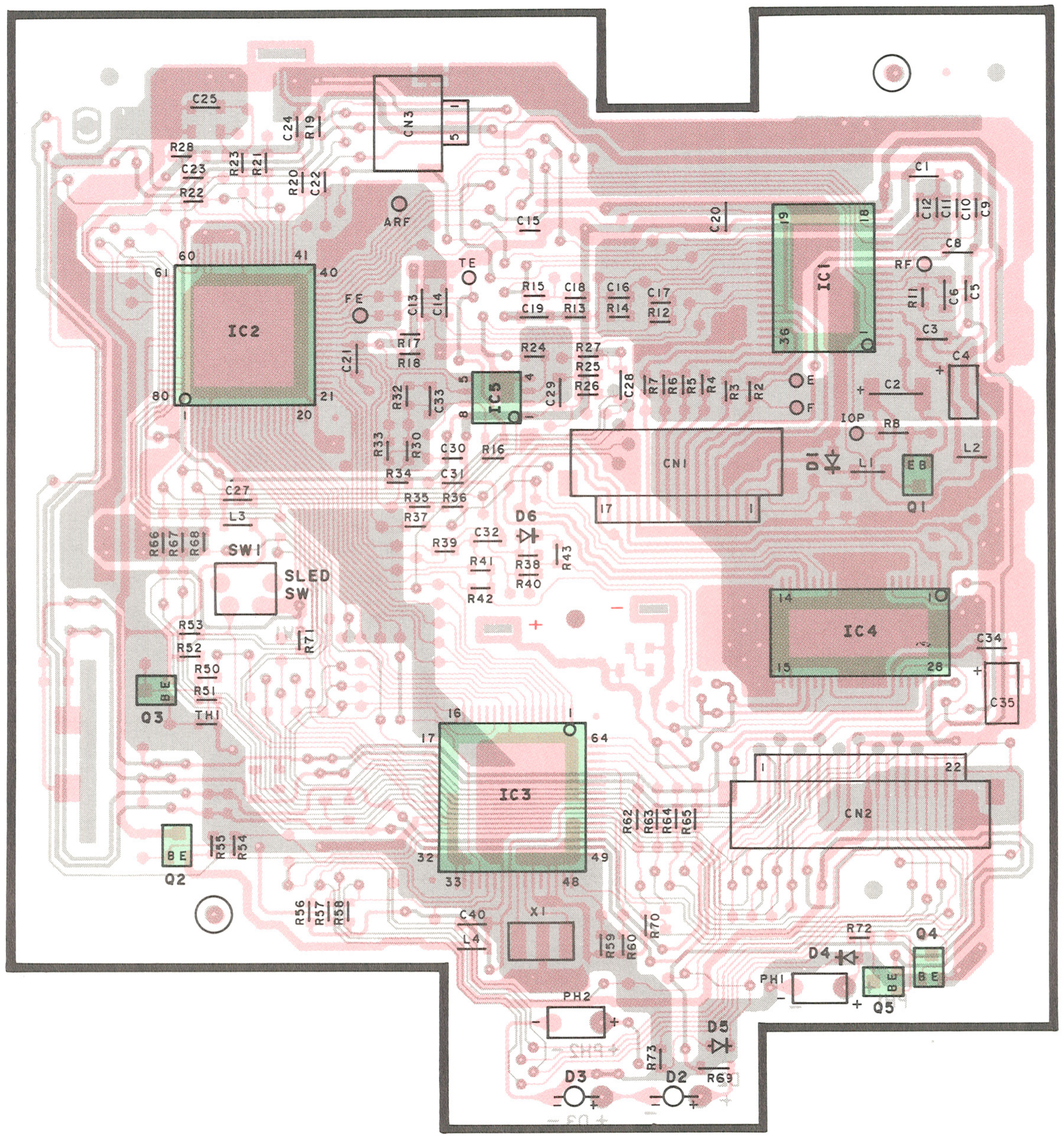
CONTROL CIRCUIT UNIT
(X29-4040-00)


X29-4040-00
(J74-0338-02)
S3 EJECT SW
IC4
IC5
IC6
IC7
IC3
IC1
IC2
CN1
CN2
C1
C2
S1 MI SW
S2 MG SW
DSPS
PH1
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
X1
X2
L1
L2
L5
C43
C44

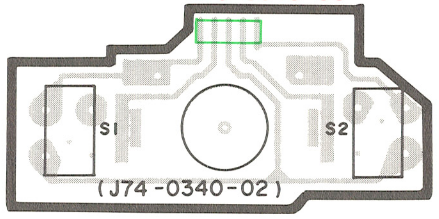
(J74-0339-02)

X32-4030-02
(J74-0337-22)

CD PLAYER UNIT
(X32-4030-02)


IC1
IC2
IC3
IC4
IC5
CN1
CN2
CN3
SW1
SLED SW
Q1
Q2
Q3
Q4
Q5
D1
D2
D3
D4
D5
D6
X1
PH1
PH2
ARF
TE
FE
RF
IOP
E
F
TH1
L1
L2
L3
L4

SUB CIRCUIT UNIT
(X13-8640-00)

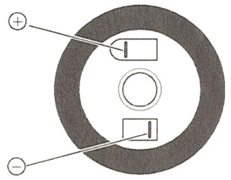

X13-8640-00
S1
S2
(J74-0340-02)

X29-4040-00

Ref No.	IC	1	2	3	4	5	6	7	Q	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Address		4B	4D	4C	2D	3C	3D	3D		5C	4B	4B	5C	3B	3B	4B	4B	4C	5C	3C	2C	5C	5C	2C	3C

X32-4030-02

Ref No.	IC	1	2	3	4	5	Q	1	2	3	4	5
Address		2I	3G	4G	4I	3G		3I	4F	4F	5I	5I



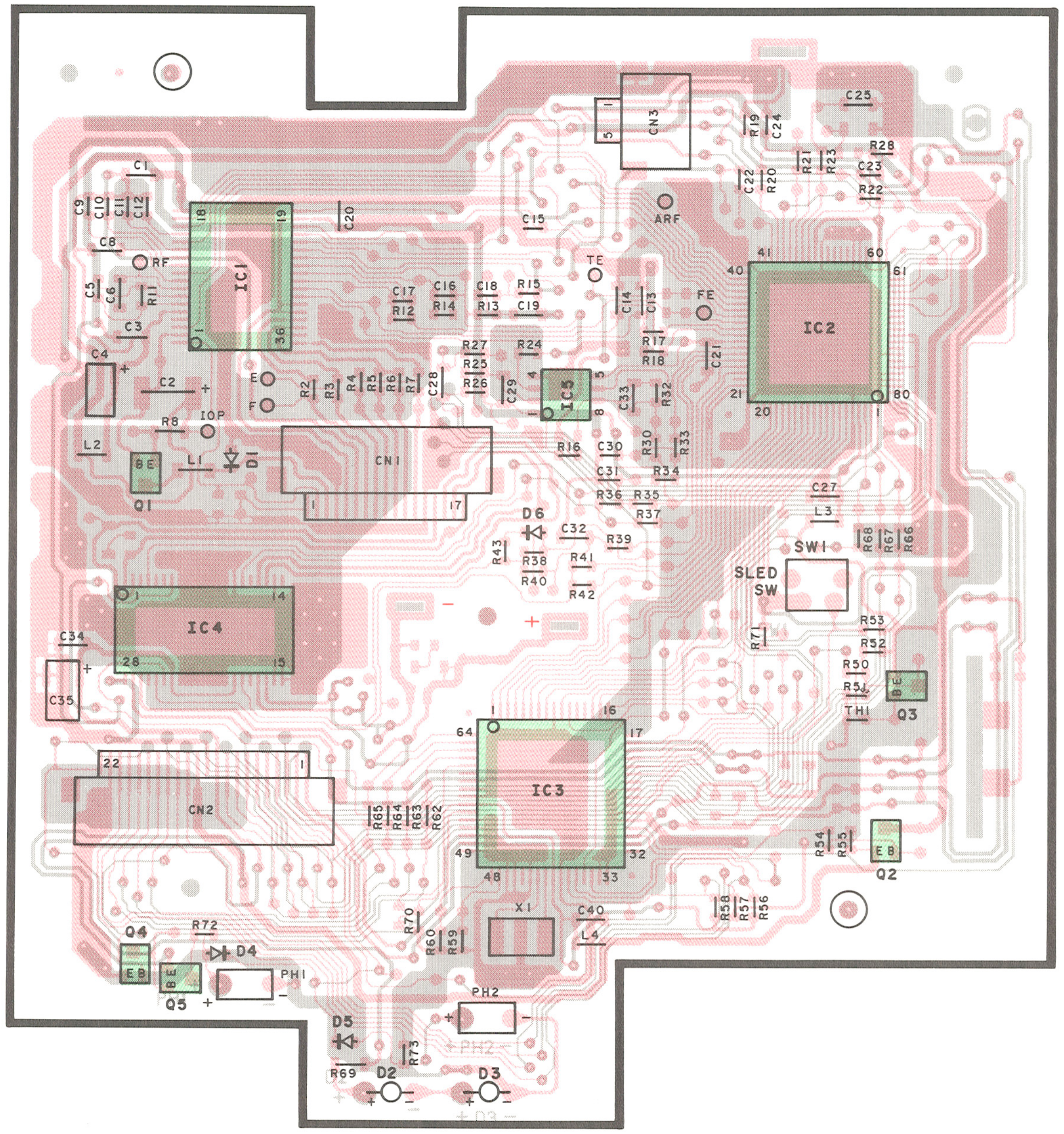
Polarity indication on spindle motor

Refer to the schematic diagram for the values of resistors and capacitors.

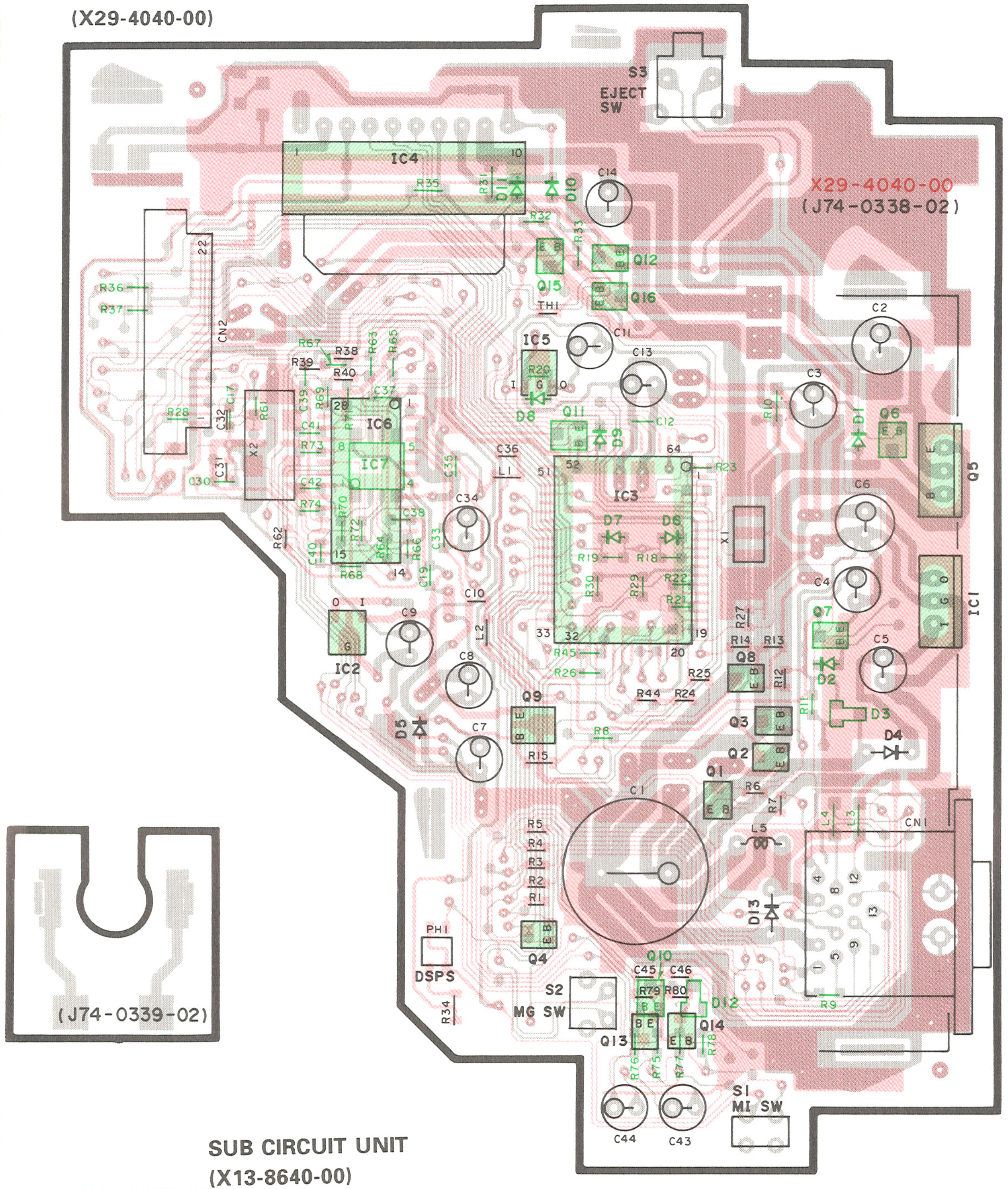
PC BOARD (FOIL SIDE VIEW)

X32-4030-02
(J74-0337-22)

CD PLAYER UNIT
(X32-4030-02)

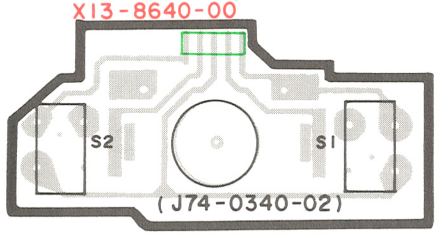

IC1
IC2
IC3
IC4
IC5
CN1
CN2
CN3
SW1
SLED SW
RF
TE
FE
ARF
IOP
PH1
PH2
X1
Q1
Q2
Q3
Q4
Q5
D1
D2
D3
D4
D5
D6

CONTROL CIRCUIT UNIT
(X29-4040-00)


X29-4040-00
(J74-0338-02)
S3
EJECT
SW
IC1
IC2
IC3
IC4
IC5
IC6
IC7
CN1
CN2
X1
X2
PH1
DSPS
S2
MG SW
S1
MI SW
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
(J74-0339-02)

SUB CIRCUIT UNIT
(X13-8640-00)

X13-8640-00

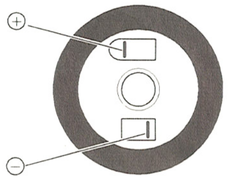

S2
S1
(J74-0340-02)

X29-4040-00

Ref No.	IC	1	2	3	4	5	6	7	Q	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Address		4S	4Q	4R	2Q	3R	3Q	3Q		5R	4S	4S	5R	3S	3S	4S	4S	4R	5R	3R	2R	5R	5R	2R	3R

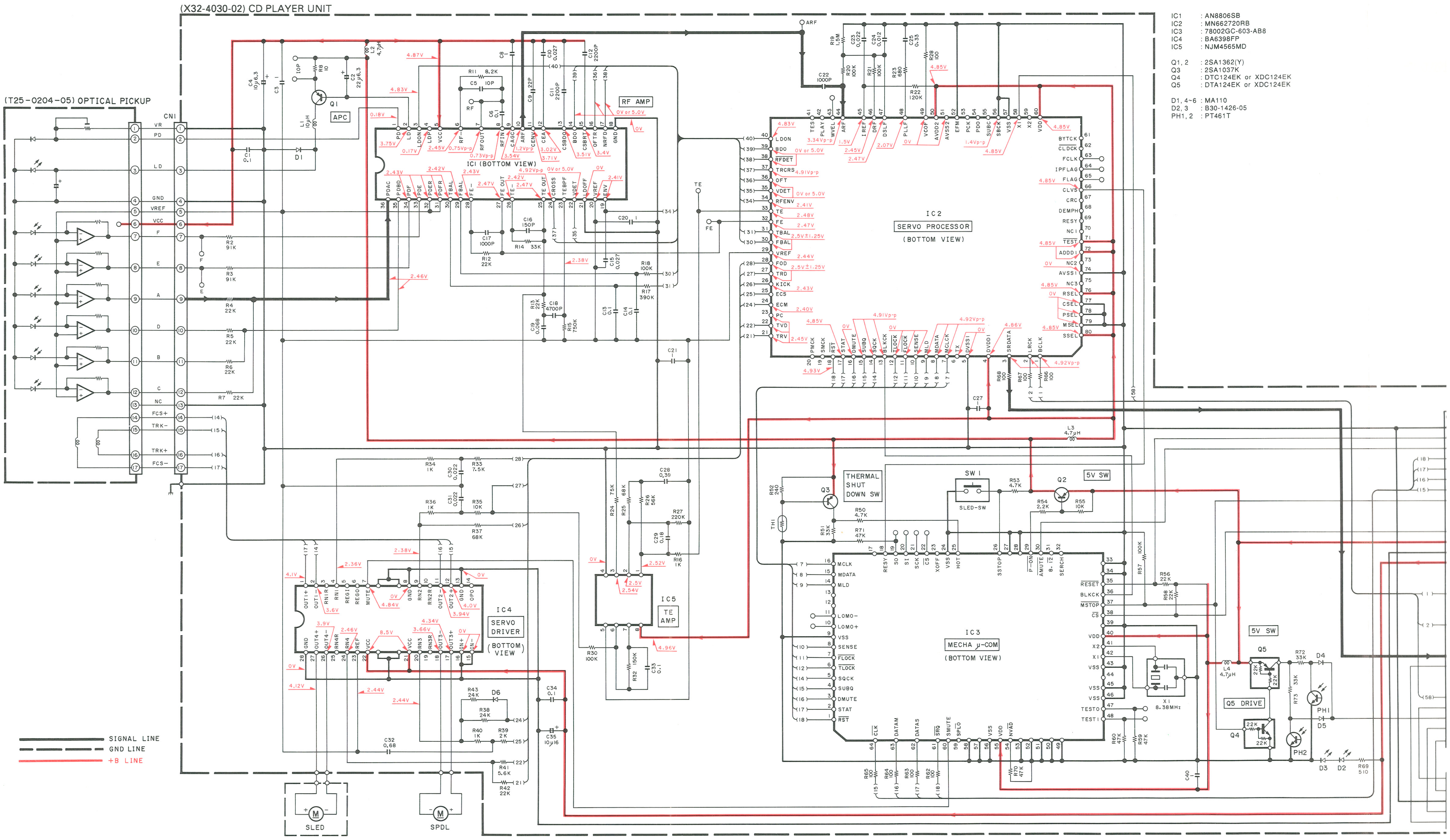
X32-4030-02

Ref No.	IC	1	2	3	4	5	Q	1	2	3	4	5
Address		2L	3N	4N	4L	3N		3L	4O	4O	5L	5L



Polarity indication on spindle motor

Refer to the schematic diagram for the values of resistors and capacitors.


(X32-4030-02) CD PLAYER UNIT
(T25-0204-05) OPTICAL PICKUP
CN1
VR
PD
LD
GND
VREF
VCC
F
E
A
D
B
C
NC
FCS+
TRK-
TRK+
FCS-
Q1
APC
D1
IC1 (BOTTOM VIEW)
RF AMP
IC2
SERVO PROCESSOR
(BOTTOM VIEW)
IC3
MECHA μ-COM
(BOTTOM VIEW)
IC4
SERVO DRIVER
(BOTTOM VIEW)
IC5
TE AMP
THERMAL SHUT DOWN SW
Q3
SW1
SLED-SW
Q2
5V SW
Q5
Q5 DRIVE
Q4
PH1
PH2
D2
D3
D4
D5
D6
X1 8.38MHz
TH1
L3 4.7μH
L4 4.7μH
SLED
SPDL
ARF
TE
FE
SIGNAL LINE
GND LINE
+B LINE

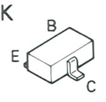
IC1 : AN8806SB
IC2 : MN662720RB
IC3 : 78002GC-603-AB8
IC4 : BA6398FP
IC5 : NJM4565MD

Q1, 2 : 2SA1362(Y)
Q3 : 2SA1037K
Q4 : DTC124EK or XDC124EK
Q5 : DTA124EK or XDC124EK

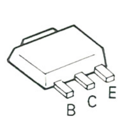
D1, 4~6 : MA110
D2, 3 : B30-1426-05
PH1, 2 : PT461T

DTA114EK
DTC124EK
XDC124EK
2SA1362
2SD2114K

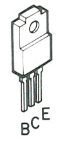
DTA124EK
XDA124EK
2SA1037K
2SC2412K



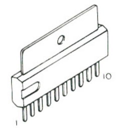
2SD1119



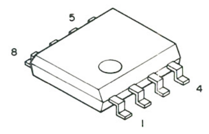
2SB941



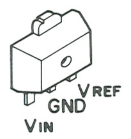
TA7288P



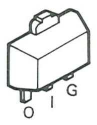
NJM4565MD



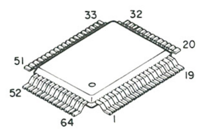
TA78L05F


VREF
GND
VIN

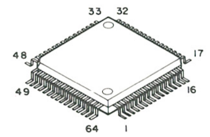
S-80737AN-D1



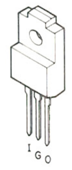
75112GF-E63-3BE


33
32
20
19
51
52
64
1

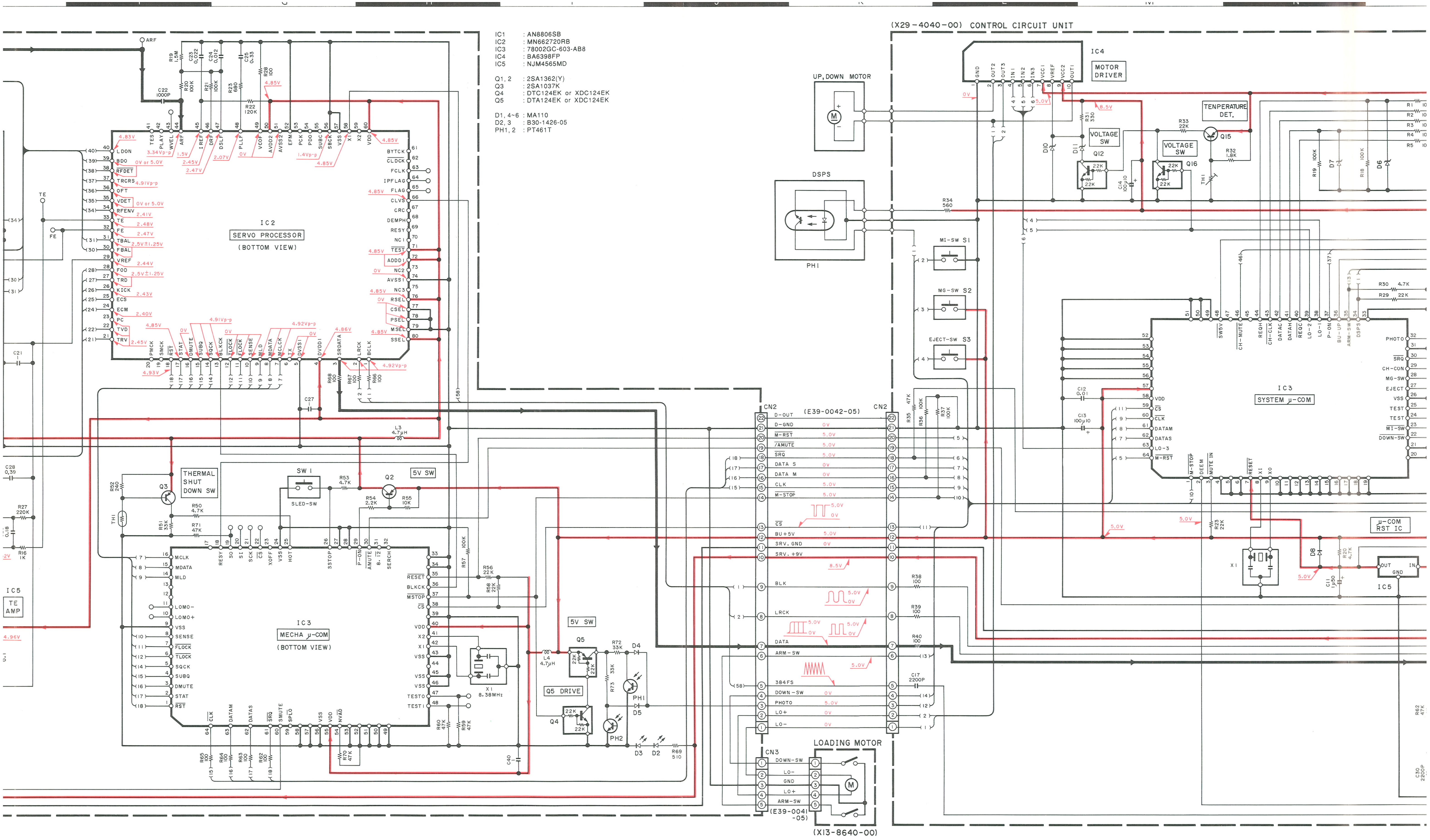
78002BGC603-AB8


33
32
17
16
48
49
64
1

M5278D05



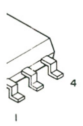
BA


(X29-4040-00) CONTROL CIRCUIT UNIT
IC2
SERVO PROCESSOR
(BOTTOM VIEW)
IC3
MECHA μ-COM
(BOTTOM VIEW)
IC3
SYSTEM μ-COM
IC4
MOTOR DRIVER
IC5
TE AMP
UP, DOWN MOTOR
DSPS
PH1
MI-SW S1
MG-SW S2
EJECT-SW S3
TENPERATURE DET.
VOLTAGE SW
Q12
Q15
Q16
THERMAL SHUT DOWN SW
Q3
SW1
SLED-SW
Q2
5V SW
Q5
Q5 DRIVE
Q4
PH1
PH2
D3
D2
D4
D5
X1 8.38MHz
CN2
(E39-0042-05)
CN2
CN3
(E39-0041-05)
LOADING MOTOR
(X13-8640-00)
μ-COM RST IC
D-OUT
D-GND
M-RST
/AMUTE
SRQ
DATA S
DATA M
CLK
M-STOP
CS
BU+5V
SRV. GND
SRV. +9V
BLK
LRCK
DATA
ARM-SW
384FS
DOWN-SW
PHOTO
LO+
LO-
GND

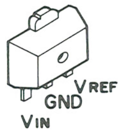
IC1 : AN8806SB
IC2 : MN662720RB
IC3 : 78002GC-603-AB8
IC4 : BA6398FP
IC5 : NJM4565MD

Q1, 2 : 2SA1362(Y)
Q3 : 2SA1037K
Q4 : DTC124EK or XDC124EK
Q5 : DTA124EK or XDC124EK

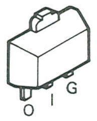
D1, 4~6 : MA110
D2, 3 : B30-1426-05
PH1, 2 : PT461T



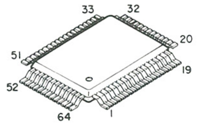
TA78L05F


VREF
GND
VIN

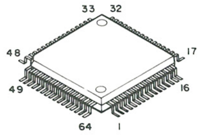
S-80737AN-D1



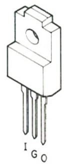
75112GF-E63-3BE


33
32
20
19
51
52
64
1

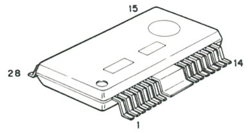
78002BGC603-AB8


33
32
17
48
16
49
64
1

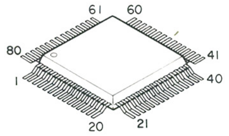
M5278D05



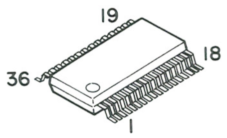
BA6398FP



MN662720RB

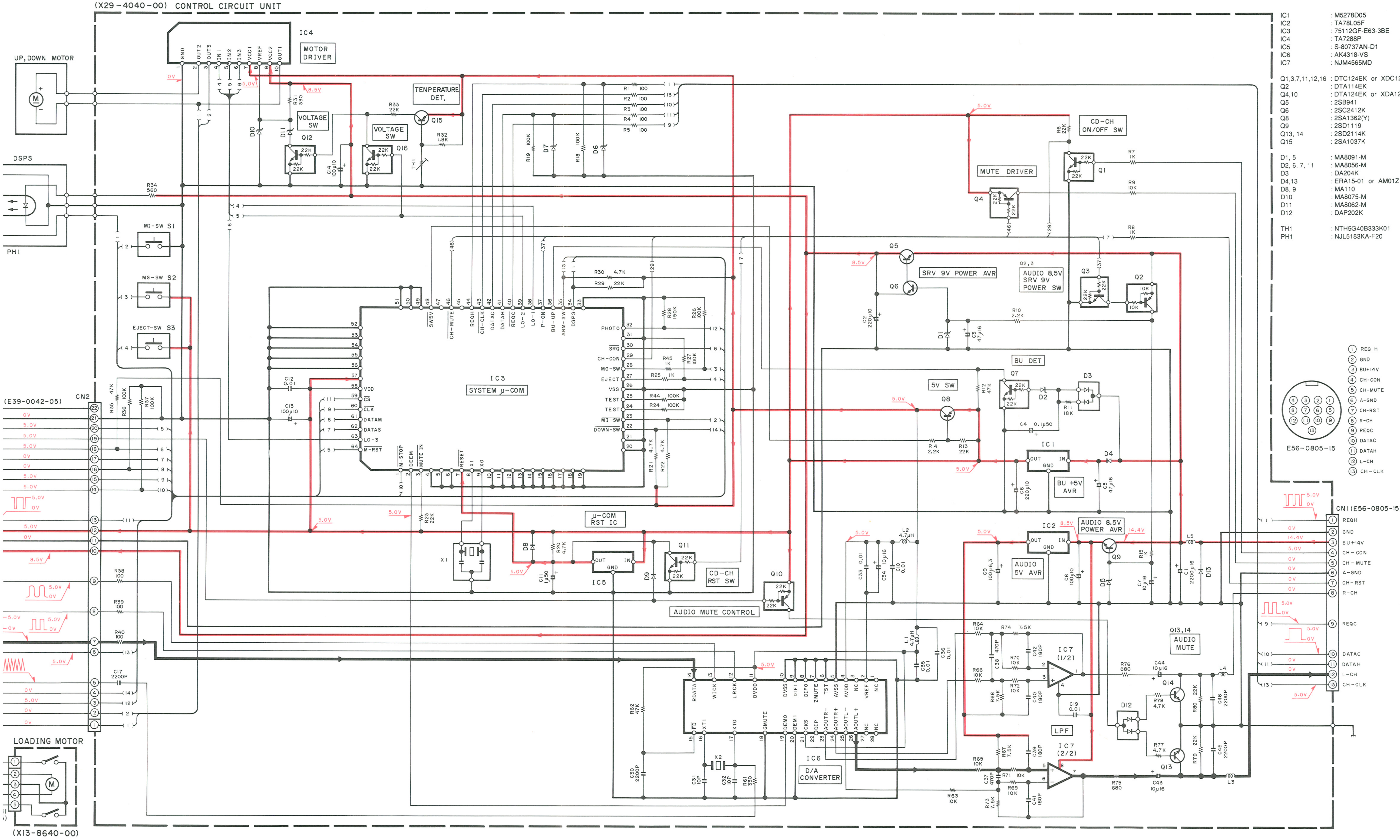

61
60
80
41
1
40
20
21

AN8806SB

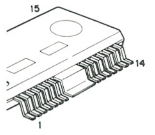


CAUTION : F
list). ⚠ Indica
out (exposed p

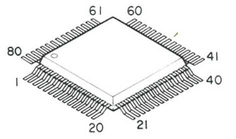
- DC voltages
or/and units


(X29-4040-00) CONTROL CIRCUIT UNIT
UP, DOWN MOTOR
DSPS
PHI
MI-SW S1
MG-SW S2
EJECT-SW S3
IC4
MOTOR DRIVER
TEMPERATURE DET.
VOLTAGE SW
Q12
Q15
Q16
IC3
SYSTEM μ-COM
μ-COM RST IC
IC5
X1
Q11
CD-CH RST SW
Q10
AUDIO MUTE CONTROL
CD-CH ON/OFF SW
MUTE DRIVER
Q1
Q4
Q5
Q6
SRV 9V POWER AVR
Q2,3
AUDIO 8.5V SRV 9V POWER SW
Q3
Q2
BU DET
Q7
D3
5V SW
Q8
IC1
BU +5V AVR
D4
IC2
AUDIO 8.5V POWER AVR
Q9
AUDIO 5V AVR
IC6
D/A CONVERTER
X2
IC7 (1/2)
IC7 (2/2)
LPF
Q13, 14
AUDIO MUTE
Q14
Q13
D12
(E39-0042-05)
CN2
CN1 (E56-0805-15)
E56-0805-15
① REQ H
② GND
③ BU+14V
④ CH-CON
⑤ CH-MUTE
⑥ A-GND
⑦ CH-RST
⑧ R-CH
⑨ REQC
⑩ DATAC
⑪ DATAH
⑫ L-CH
⑬ CH-CLK
LOADING MOTOR
(X13-8640-00)

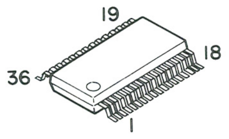
IC1	: M5278D05
IC2	: TA78L05F
IC3	: 75112GF-E63-3BE
IC4	: TA7288P
IC5	: S-80737AN-D1
IC6	: AK4318-VS
IC7	: NJM4565MD
Q1,3,7,11,12,16	: DTC124EK or XDC124EK
Q2	: DTA114EK
Q4,10	: DTA124EK or XDA124EK
Q5	: 2SB941
Q6	: 2SC2412K
Q8	: 2SA1362(Y)
Q9	: 2SD1119
Q13, 14	: 2SD2114K
Q15	: 2SA1037K
D1, 5	: MA8091-M
D2, 6, 7, 11	: MA8056-M
D3	: DA204K
D4,13	: ERA15-01 or AM01Z
D8, 9	: MA110
D10	: MA8075-M
D11	: MA8062-M
D12	: DAP202K
TH1	: NTH5G40B333K01
PH1	: NJL5183KA-F20



MN662720RB


61
60
80
1
41
40
20
21

AN8806SB



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

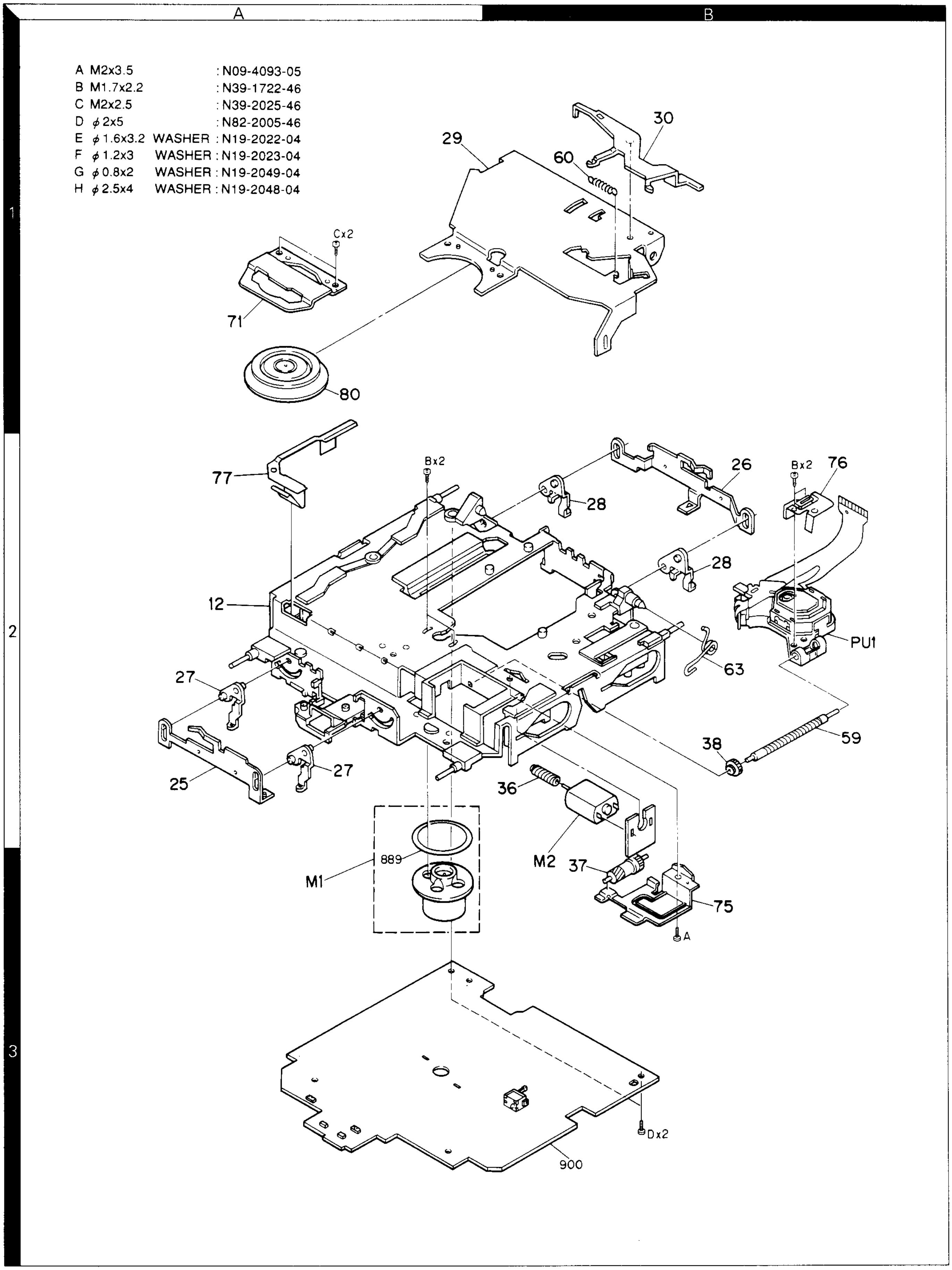
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Y22-5230-62

KDC-C603

KENWOOD

EXPLODED VIEW (MECHANISM)

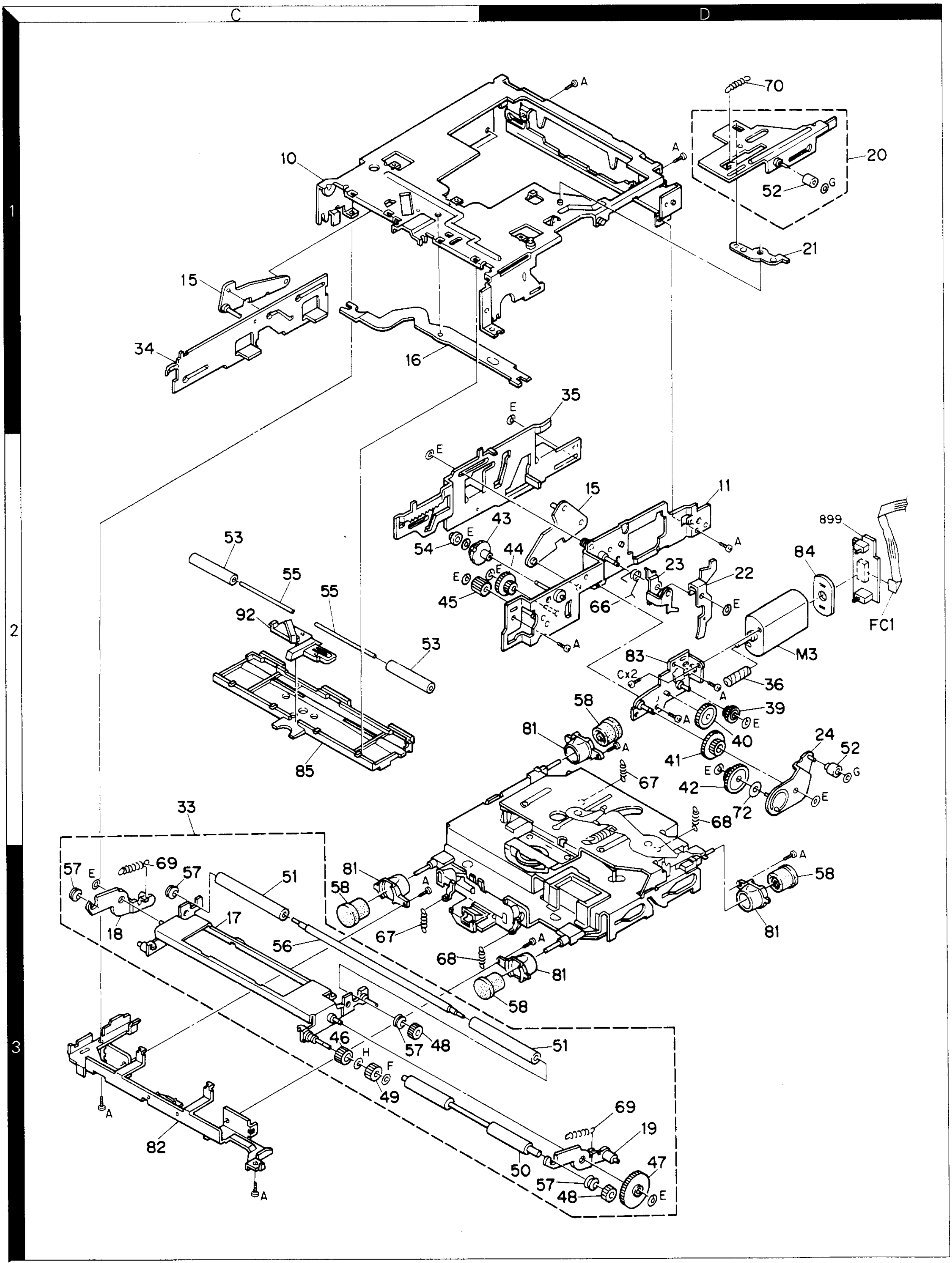


A M2x3.5 : N09-4093-05
B M1.7x2.2 : N39-1722-46
C M2x2.5 : N39-2025-46
D ϕ2x5 : N82-2005-46
E ϕ1.6x3.2 WASHER : N19-2022-04
F ϕ1.2x3 WASHER : N19-2023-04
G ϕ0.8x2 WASHER : N19-2049-04
H ϕ2.5x4 WASHER : N19-2048-04

A
B
1
2
3
30
29
60
Cx2
71
80
77
Bx2
26
28
Bx2
76
28
12
PU1
63
27
38
59
25
27
36
889
M1
M2
37
75
A
Dx2
900

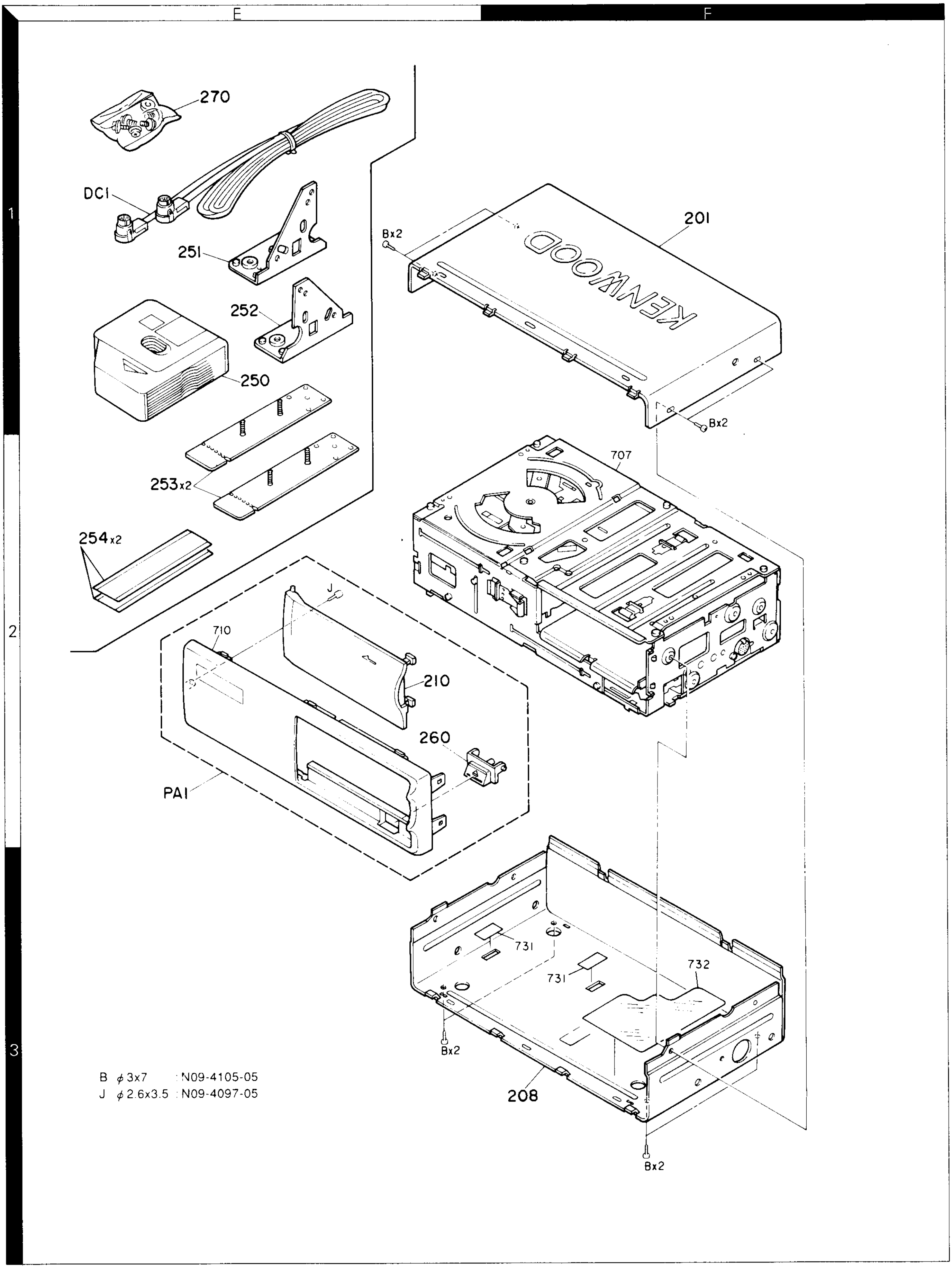
Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (MECHANISM)


C
D
1
2
3
A
70
A
20
10
52
G
21
15
34
16
35
E
E
15
11
43
E
54
44
E
E
45
899
84
23
22
E
66
A
FC1
M3
53
55
55
92
53
83
Cx2
A
36
A
39
E
58
81
A
40
24
52
41
G
E
42
E
72
67
68
85
33
57
E
69
57
51
81
58
A
A
58
18
17
56
67
81
A
68
81
58
46
57
48
H
F
49
51
A
69
19
82
50
47
57
48
E
A

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)

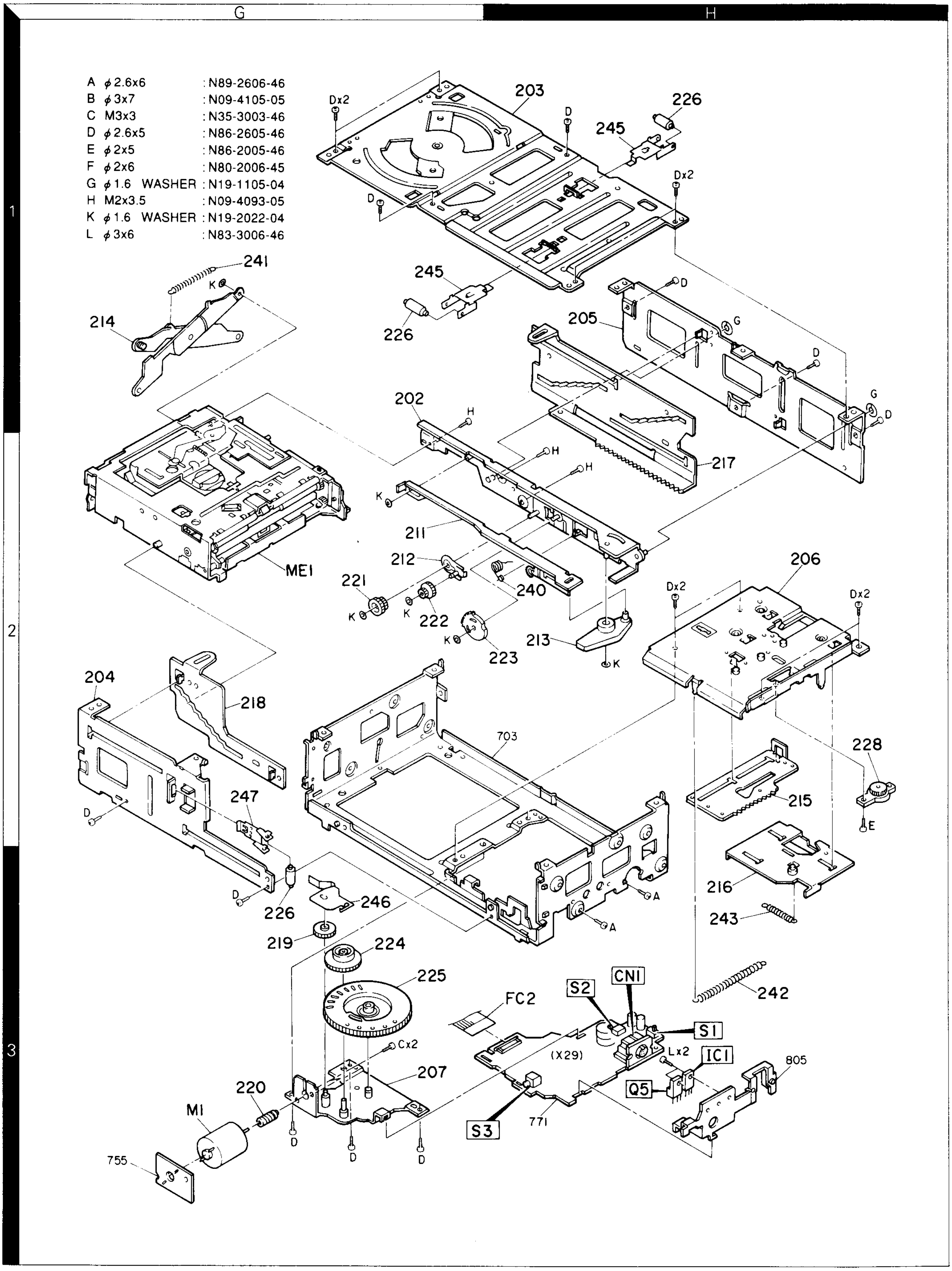

E
F
1
2
3
270
DC1
251
252
250
253x2
254x2
710
J
210
260
PA1
Bx2
201
KENWOOD
Bx2
707
731
731
732
Bx2
208
Bx2

B ϕ3x7 : N09-4105-05
J ϕ2.6x3.5 : N09-4097-05

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)

A	ϕ2.6x6	: N89-2606-46
B	ϕ3x7	: N09-4105-05
C	M3x3	: N35-3003-46
D	ϕ2.6x5	: N86-2605-46
E	ϕ2x5	: N86-2005-46
F	ϕ2x6	: N80-2006-45
G	ϕ1.6 WASHER	: N19-1105-04
H	M2x3.5	: N09-4093-05
K	ϕ1.6 WASHER	: N19-2022-04
L	ϕ3x6	: N83-3006-46


G
H
1
2
3
203
Dx2
D
226
245
Dx2
D
241
K
214
245
226
205
G
D
G
D
202
H
H
H
217
K
ME1
211
212
221
240
K
K
222
K
223
213
K
206
Dx2
Dx2
204
218
703
228
247
215
E
D
216
D
226
246
A
A
243
219
224
225
242
S2
CN1
FC2
S1
Cx2
(X29)
Lx2
IC1
805
220
207
Q5
M1
771
S3
D
D
D
755

Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

⁎ New Parts
Parts without **Parts No.** are not supplied.
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Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
KDC-C603			
201 1F	*	A01-2577-21	METALLIC CABINET
202 2H	*	A10-2295-53	CHASSIS CALKING ASSY
203 1H	*	A10-2298-53	CHASSIS CALKING ASSY
204 2G	*	A10-2300-23	CHASSIS
205 1H	*	A10-2301-33	CHASSIS
206 2H	*	A10-2302-12	CHASSIS
207 3G	*	A10-2303-14	CHASSIS CALKING ASSY
208 3F	*	A10-2344-13	CHASSIS ASSY
210 2E	*	A21-2325-22	DRESSING PANEL
PA1 2E	*	A64-0517-02	PANEL ASSY
-		B46-0100-30	WARRANTY CARD
-		B46-0172-13	QUESTIONAIRE CARD W
-		B46-0182-14	ID CARD E
-	*	B64-0587-00	INST.MANUAL (E,F,G,D,I,S)
-	*	B64-0590-00	INST.MANUAL (TAIWAN) M
211 2G		D10-2873-03	LEVER
212 2G	*	D10-2874-14	ARM ASSY
213 2H	*	D10-2876-24	ARM
214 1G	*	D10-2879-14	LEVER ASSY
215 2H		D10-2884-03	LEVER
216 3H		D10-2885-04	LEVER ASSY
217 1H		D12-0608-03	CAM
218 2G		D12-0609-03	CAM
219 3G		D13-1100-04	GEAR
220 3G		D13-1101-04	WORM
221 2G		D13-1139-04	GEAR
222 2G		D13-1140-04	GEAR
223 2G		D13-1141-03	GEAR
224 3G		D13-1142-04	GEAR
225 3G	*	D13-1143-13	GEAR
226 1H		D14-0625-04	ROLLER
228 2H		D39-0215-05	DAMPER
DC1 1E		E30-4138-05	CORD WITH PLUG
240 2H		G01-2674-04	TORSION COIL SPRING
241 1G		G01-2675-04	EXTENSION SPRING
242 3H	*	G01-2676-14	EXTENSION SPRING
243 3H	*	G01-2677-14	EXTENSION SPRING
245 1H		G02-1142-04	FLAT SPRING
246 3G		G02-1176-04	FLAT SPRING
247 2G	*	G02-1177-14	FLAT SPRING
-	*	H02-0803-03	INNER CARTON CASE
-		H10-4503-02	POLYSTYRENE FOAMED FIXTURE
-	*	H20-2012-03	BLISTER COVER
-		H25-0337-04	PROTECTION BAG (180X300X0.03)
-		H25-1115-04	PROTECTION BAG (300X450X0.5)
-	*	H54-0425-04	ITEM CARTON CASE
-	*	H64-0464-04	OUTER CARTON CASE
250 1E	*	J19-4566-32	HOLDER ASSY (MAGAZINE)
251 1E	*	J19-4533-13	BRACKET
252 1E	*	J19-4534-13	BRACKET
253 2E	*	J21-7328-24	MOUNTING HARDWARE ASSY
254 2E		J69-0503-14	ADHESIVE TAPE
260 2E	*	K24-1452-24	KNOB
270 1E		N99-1611-05	SCREW SET
A 3H		N89-2606-46	BINDING HEAD TAPTITE SCREW
B 1F		N09-4105-05	TAPTITE SCREW (3X7,ニッケル,ワックス)
C 3G		N35-3003-46	BINDING HEAD MACHINE SCREW
D 1H		N86-2605-46	BINDING HEAD TAPTITE SCREW
E 2H		N86-2005-46	BINDING HEAD TAPTITE SCREW
F 1E		N80-2006-45	PAN HEAD TAPTITE SCREW
G 1H		N19-1105-04	RETAINING RING
H 2H		N09-4093-05	MACHINE SCREW (Sタイト2X3.5クロメー)
J 2E		N09-4097-05	TAPTITE SCREW (2.6X3.5)
K 2G		N19-2022-04	FLAT WASHER
M1 3G		T42-0720-05	DC MOTOR
ME1 2G	*	X92-3020-04	MECHANISM ASSY
SUB CIRCUIT UNIT (X13-8640-00)			
CN1		E40-9256-05	FLAT CABLE CONNCTOR
S1 ,2		S40-1140-05	PUSH SWITCH
CONTROL CIRCUIT UNIT (X29-4040-00)			
C1		C90-2518-05	ELECTRO 2200UF 16WV
C2		CE04DW1A221M	ELECTRO 220UF 10WV
C3		CE04DW1C470M	ELECTRO 47UF 16WV
C4		CE04DW1H0R1M	ELECTRO 0.1UF 50WV
C5		CE04DW1C470M	ELECTRO 47UF 16WV
C6		CE04DW1A221M	ELECTRO 220UF 10WV
C7		CE04DW1C100M	ELECTRO 10UF 16WV
C8		CE04DW1A101M	ELECTRO 100UF 10WV
C9		CE04NW0J101M	ELECTRO 100UF 6.3WV
C10		CK73FB1H103K	CHIP C 0.010UF K
C11		CE04DW1H010M	ELECTRO 1.0UF 50WV
C12		CK73FB1H103K	CHIP C 0.010UF K
C13 ,14		CE04DW1A101M	ELECTRO 100UF 10WV
C17		CK73FB1H222K	CHIP C 2200PF K
C19		CK73FB1H103K	CHIP C 0.010UF K
C30		CK73FB1H222K	CHIP C 2200PF K
C31 ,32		CC73FCH1H100D	CHIP C 10PF D
C33		CK73FB1H103K	CHIP C 0.010UF K
C34		CE04DW1C100M	ELECTRO 10UF 16WV
C35 ,36		CK73FB1H103K	CHIP C 0.010UF K
C37 ,38		CK73FB1H471K	CHIP C 470PF K
C39 -42		CC73FCH1H181J	CHIP C 180PF J
C43 ,44		CE04DW1C100M	ELECTRO 10UF 16WV
C45 ,46		C93-1044-05	CERAMIC 2200PF K
CN1		E56-0805-15	CYLINDRICAL RECEPTACLE
CN2		E40-9340-05	FLAT CABLE CONNCTOR
L1 ,2		L33-0916-05	SMALL FIXED INDUCTOR
L3 ,4		L92-0302-05	CHIP FERRITE
L5		L92-0305-05	FERRITE CORE
X1		L78-0529-05	RESONATOR
X2		L77-2011-15	CRYSTAL RESONATOR(16.9344MHZ)

E: Europe **W**: Without Europe **P**: Canada **X**: Australia
K: U.S.A. and Canada **M**: Without Europe, U.S.A. and Canada

⚠ indicates safety critical components.

KDC-C603

PARTS LIST

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CONTROL CIRCUIT UNIT (X29-4040-00)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
L 3H		N83-3006-46	PAN HEAD TAPTITE SCREW
R1 -5		RK73FB2A101J	CHIP R 100 J 1/10W
R6		RK73FB2A223J	CHIP R 22K J 1/10W
R7 ,8		RK73FB2A102J	CHIP R 1.0K J 1/10W
R9		RK73FB2A103J	CHIP R 10K J 1/10W
R10		RK73EB2B222J	CHIP R 2.2K J 1/8W
R11		RK73FB2A183J	CHIP R 18K J 1/10W
R12		RK73FB2A473J	CHIP R 47K J 1/10W
R13		RK73FB2A223J	CHIP R 22K J 1/10W
R14		RK73FB2A222J	CHIP R 2.2K J 1/10W
R15		RK73EB2B102J	CHIP R 1.0K J 1/8W
R18 ,19		RK73FB2A104J	CHIP R 100K J 1/10W
R20 -22		RK73FB2A472J	CHIP R 4.7K J 1/10W
R23		RK73FB2A223J	CHIP R 22K J 1/10W
R24		RK73FB2A104J	CHIP R 100K J 1/10W
R25		RK73FB2A102J	CHIP R 1.0K J 1/10W
R26 ,27		RK73FB2A104J	CHIP R 100K J 1/10W
R28		RK73FB2A154J	CHIP R 150K J 1/10W
R29		RK73FB2A223J	CHIP R 22K J 1/10W
R30		RK73FB2A472J	CHIP R 4.7K J 1/10W
R31		RK73EB2B331J	CHIP R 330 J 1/8W
R32		RK73FB2A182J	CHIP R 1.8K J 1/10W
R33		RK73FB2A223J	CHIP R 22K J 1/10W
R34		RK73EB2B561J	CHIP R 560 J 1/8W
R35		RK73EB2B473J	CHIP R 47K J 1/8W
R36 ,37		RK73FB2A104J	CHIP R 100K J 1/10W
R38 -40		RK73FB2A101J	CHIP R 100 J 1/10W
R44		RK73FB2A104J	CHIP R 100K J 1/10W
R45		RK73FB2A102J	CHIP R 1.0K J 1/10W
R61		RK73FB2A331J	CHIP R 330 J 1/10W
R62		RK73FB2A473J	CHIP R 47K J 1/10W
R63 -66		RK73FB2A103J	CHIP R 10K J 1/10W
R67 ,68		RK73FB2A752J	CHIP R 7.5K J 1/10W
R69 -72		RK73FB2A103J	CHIP R 10K J 1/10W
R73 ,74		RK73FB2A752J	CHIP R 7.5K J 1/10W
R75 ,76		RK73FB2A681J	CHIP R 680 J 1/10W
R77 ,78		RK73FB2A472J	CHIP R 4.7K J 1/10W
R79 ,80		RK73FB2A223J	CHIP R 22K J 1/10W
S1		S40-1140-05	PUSH SWITCH
S2		S74-0801-05	MICRO SWITCH
S3		S70-0823-05	TACT SWITCH
PH1		T95-0212-05	OPTO ISOLATOR
D1		MA8091-M	ZENER DIODE
D2		MA8056-M	ZENER DIODE
D3		DA204K	DIODE
D4		AM01Z	DIODE
D4		ERA15-01	DIODE
D5		MA8091-M	ZENER DIODE
D6 ,7		MA8056-M	ZENER DIODE
D8 ,9		MA110	DIODE
D10		MA8075-M	ZENER DIODE
D11		MA8056-M	ZENER DIODE
D12		DAP202K	DIODE
D13		AM01Z	DIODE
D13		ERA15-01	DIODE
IC1		M5278D05	IC(VOLTAGE REGULATOR)
IC2		TA78L05F	IC(5V VOLTAGE REGULATOR)
IC3		75112GF-E63-3BE	MI-COM IC
IC4		TA7288P	ANALOG IC
IC5		S-80737AN-D1	IC(VOLTAGE DETECTOR)
IC6		AK4318-VS	MOS-IC
IC7		NJM4565MD	IC(OP AMP X2)
Q1		DTC124EK	DIGITAL TRANSISTOR
Q1		XDC124EK	TRANSISTOR
Q2		DTA114EK	DIGITAL TRANSISTOR
Q3		DTC124EK	DIGITAL TRANSISTOR
Q3		XDC124EK	TRANSISTOR
Q4		DTA124EK	DIGITAL TRANSISTOR
Q4		XDA124EK	TRANSISTOR
Q5		2SB941	TRANSISTOR
Q6		2SC2412K	TRANSISTOR
Q7		DTC124EK	DIGITAL TRANSISTOR
Q7		XDC124EK	TRANSISTOR
Q8		2SA1362(Y)	TRANSISTOR
Q9		2SD1119	TRANSISTOR
Q10		DTA124EK	DIGITAL TRANSISTOR
Q10		XDA124EK	TRANSISTOR
Q11 ,12		DTC124EK	DIGITAL TRANSISTOR
Q11 ,12		XDC124EK	TRANSISTOR
Q13 ,14		2SD2114K	TRANSISTOR
Q15		2SA1037K	TRANSISTOR
Q16		DTC124EK	DIGITAL TRANSISTOR
Q16		XDC124EK	TRANSISTOR
TH1		NTH5G40B333K01	THERMISTOR

CD PLAYER UNIT (X32-4030-02)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
D2 ,3		B30-1426-05	LED
C1		CK73EB1E104K	CHIP C 0.10UF K
C2		C92-0012-05	CHIP-TAN 22UF 6.3WV
C3		CK73EB1C105K	CHIP C 1.0UF K
C4		C92-1020-05	ELECTR 10UF 6.3WV
C5		CC73FCH1H100D	CHIP C 10PF D
C6		CK73EB1E104K	CHIP C 0.10UF K
C8		CK73EB1C105K	CHIP C 1.0UF K
C9		CC73FCH1H220J	CHIP C 22PF J
C10		CK73FB1E273KTA	CHIP C 0.027UF K
C11 ,12		CK73FB1H222K	CHIP C 2200PF K
C13 ,14		CK73EB1E104K	CHIP C 0.10UF K
C15		CK73FB1E273KTA	CHIP C 0.027UF K
C16		CC73FCH1H151J	CHIP C 150PF J
C17		CC73FSL1H102J	CHIP C 1000PF J
C18		CK73FB1H472K	CHIP C 4700PF K
C19		CK73EB1H683K	CHIP C 0.068UF K
C20 ,21		CK73EB1C105K	CHIP C 1.0UF K
C22		CC73FSL1H102J	CHIP C 1000PF J
C23		CK73FB1H223KTA	CHIP C 0.022UF K
C24		CK73FB1H123K	CHIP C 0.012UF K

E: Europe **W**: Without Europe **P**: Canada **X**: Australia
K: U.S.A. and Canada **M**: Without Europe, U.S.A. and Canada

⚠ indicates safety critical components.

PARTS LIST

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CD PLAYER UNIT (X32-4030-02)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
C25		CK73EB1C334K	CHIP C 0.33UF K
C27		CK73EB1C105K	CHIP C 1.0UF K
C28		CK73EB1C394K	CHIP C 0.39UF K
C29		CK73EB1E184K	CHIP C 0.18UF K
C30 ,31		CK73FB1H223KTA	CHIP C 0.022UF K
C32		CK73EB1C684K	CHIP C 0.68UF K
C33 ,34		CK73EB1E104K	CHIP C 0.10UF K
C35		C92-1303-05	ELECTRO 10UF 16WV
C40		CK73EB1C105K	CHIP C 1.0UF K
CN1		E40-9337-05	FLAT CABLE CONNCTOR
CN2		E40-9339-05	FLAT CABLE CONNCTOR
CN3		E40-9256-05	FLAT CABLE CONNCTOR
L1		L40-1001-31	SMALL FIXED INDUCTOR(10UH)
L2 -4		L33-0916-05	SMALL FIXED INDUCTOR
X1		L78-0528-05	RESONATOR
R2 ,3		RK73FB2A913J	CHIP R 91K J 1/10W
R4 -7		RK73FB2A223J	CHIP R 22K J 1/10W
R8		RK73EB2B100J	CHIP R 10 J 1/8W
R11		RK73FB2A822J	CHIP R 8.2K J 1/10W
R12 ,13		RK73FB2A223J	CHIP R 22K J 1/10W
R14		RK73FB2A333J	CHIP R 33K J 1/10W
R15		RK73FB2A754J	CHIP R 750K J 1/10W
R16		RK73FB2A102J	CHIP R 1.0K J 1/10W
R17		RK73FB2A394J	CHIP R 390K J 1/10W
R18		RK73FB2A104J	CHIP R 100K J 1/10W
R19		RK73FB2A155J	CHIP R 1.5M J 1/10W
R20 ,21		RK73FB2A104J	CHIP R 100K J 1/10W
R22		RK73FB2A124J	CHIP R 120K J 1/10W
R23		RK73FB2A681J	CHIP R 680 J 1/10W
R24		RK73FB2A753J	CHIP R 75K J 1/10W
R25		RK73FB2A683J	CHIP R 68K J 1/10W
R26		RK73FB2A563J	CHIP R 56K J 1/10W
R27		RK73FB2A224J	CHIP R 220K J 1/10W
R28		RK73FB2A101J	CHIP R 100 J 1/10W
R30		RK73FB2A104J	CHIP R 100K J 1/10W
R32		RK73FB2A154J	CHIP R 150K J 1/10W
R33		RK73FB2A752J	CHIP R 7.5K J 1/10W
R34		RK73FB2A102J	CHIP R 1.0K J 1/10W
R35		RK73FB2A103J	CHIP R 10K J 1/10W
R36		RK73FB2A102J	CHIP R 1.0K J 1/10W
R37		RK73FB2A683J	CHIP R 68K J 1/10W
R38		RK73FB2A243J	CHIP R 24K J 1/10W
R39		RK73FB2A202J	CHIP R 2.0K J 1/10W
R40		RK73FB2A102J	CHIP R 1.0K J 1/10W
R41		RK73FB2A562J	CHIP R 5.6K J 1/10W
R42		RK73FB2A223J	CHIP R 22K J 1/10W
R43		RK73FB2A243J	CHIP R 24K J 1/10W
R50		RK73FB2A472J	CHIP R 4.7K J 1/10W
R51		RK73FB2A333J	CHIP R 33K J 1/10W
R52		RK73FB2A241J	CHIP R 240 J 1/10W
R53		RK73FB2A472J	CHIP R 4.7K J 1/10W
R54		RK73FB2A222J	CHIP R 2.2K J 1/10W
R55		RK73FB2A103J	CHIP R 10K J 1/10W
R56		RK73FB2A223J	CHIP R 22K J 1/10W
R57		RK73FB2A104J	CHIP R 100K J 1/10W
R58		RK73FB2A223J	CHIP R 22K J 1/10W
R59 ,60		RK73FB2A473J	CHIP R 47K J 1/10W
R62 -68		RK73FB2A101J	CHIP R 100 J 1/10W
R69		RK73EB2B511J	CHIP R 510 J 1/8W
R70 ,71		RK73FB2A473J	CHIP R 47K J 1/10W
R72 ,73		RK73FB2A333J	CHIP R 33K J 1/10W
S1		S74-0801-05	MICRO SWITCH
D1		MA110	DIODE
D4 -6		MA110	DIODE
IC1		AN8806SB	ANALOG IC
IC2		MN662720RB	MOS-IC
IC3		78002BGC603-AB8	MI-COM IC
IC4		BA6398FP	ANALOG IC
IC5		NJM4565MD	IC(OP AMP X2)
PH1 ,2		PT461T	PHOTO TRANSISTOR
Q1 ,2		2SA1362(Y)	TRANSISTOR
Q3		2SA1037K	TRANSISTOR
Q4		DTC124EK	DIGITAL TRANSISTOR
Q4		XDC124EK	TRANSISTOR
Q5		DTA124EK	DIGITAL TRANSISTOR
Q5		XDA124EK	TRANSISTOR
TH1		NTH5G40B333K01	THERMISTOR

MECHANISM ASS'Y (X92-3020-04)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
10 1C	*	A10-2288-53	CHASSIS ASSY
11 2D	*	A10-2293-13	CHASSIS CALKING ASSY
12 2A	*	A10-2283-63	CHASSIS ASSY
15 1C		D10-2841-04	ARM ASSY
16 1C		D10-2843-03	LEVER
17 3C	*	D10-2844-13	LEVER ASSY
18 3C	*	D10-2846-24	LEVER ASSY
19 3D	*	D10-2848-24	LEVER ASSY
20 1D	*	D10-2850-24	SLIDER ASSY
21 1D		D10-2852-04	LEVER
22 2D		D10-2853-04	ARM
23 2D		D10-2854-04	ARM
24 2D	*	D10-2855-14	ARM ASSY
25 2A		D10-2857-03	LEVER
26 2B		D10-2858-03	LEVER
27 2A		D10-2859-04	LEVER
28 2B		D10-2860-04	LEVER
29 1B	*	D10-2894-43	LEVER
30 1B	*	D10-2895-43	ARM
33 3C	*	D10-2905-62	LEVER ASSY
34 1C		D12-0606-03	CAM
35 2D	*	D12-0607-23	CAM
36 2D	*	D13-1125-34	WORM
37 3B		D13-1126-04	GEAR
38 2B		D13-1127-04	GEAR
39 2D		D13-1128-04	GEAR
40 2D		D13-1129-04	GEAR
41 2D		D13-1130-04	GEAR
42 2D		D13-1131-04	GEAR

E: Europe **W**: Without Europe **P**: Canada **X**: Australia
K: U.S.A. and Canada **M**: Without Europe, U.S.A. and Canada

⚠ indicates safety critical components.

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PARTS LIST

× New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

MECHANISM ASS'Y (X92-3020-04)

Ref No. 参照番号	New 新	Parts No. 部品番号	Description 部品名／規格
43 2C		D13-1132-04	GEAR
44 2D		D13-1133-04	GEAR
45 2C		D13-1134-04	GEAR
46 3C		D13-1135-04	GEAR
47 3D		D13-1136-04	GEAR
48 3D		D13-1137-04	GEAR
49 3C		D13-1138-04	GEAR
50 3C	*	D14-0638-33	ROLLER
51 3C	*	D14-0639-34	ROLLER
52 1D		D14-0641-04	ROLLER
53 2C		D14-0647-04	ROLLER
54 2C		D14-0640-04	ROLLER
55 2C		D21-2190-04	SHAFT
56 3C		D21-2191-04	SHAFT
57 3C	*	D23-0914-14	RETAINER
58 3D	*	D39-0216-23	DAMPER
59 2B	*	D19-0606-14	LEAD SCREW
FC1 2D	*	E39-0041-15	FLAT CABLE
FC2 3G	*	E39-0042-25	FLAT CABLE
60 1B		G01-2687-04	EXTENSION SPRING
63 2B	*	G01-2673-24	TORSION COIL SPRING
66 2D		G01-2682-04	TORSION COIL SPRING
67 2D		G01-2683-04	EXTENSION SPRING
68 2D		G01-2684-04	EXTENSION SPRING
69 3C	*	G01-2685-14	EXTENSION SPRING
70 1D		G01-2686-04	EXTENSION SPRING
71 1A		G02-1151-04	FLAT SPRING
72 2D		G02-1156-04	FLAT SPRING
75 3B	*	G02-1172-14	FLAT SPRING
76 2B	*	G02-1173-13	FLAT SPRING ASSY
77 2A	*	G01-1213-03	FLAT SPRING
80 1A		J11-0603-23	CLAMPER
81 3C	*	J19-4567-03	HOLDER
82 3C	*	J21-7479-24	MOUNTING HARDWARE ASSY
83 2D	*	J21-7481-24	MOUNTING HARDWARE ASSY
84 3B		J30-1027-04	SPACER
85 2C	*	J90-0751-02	GUIDE
A 1D		N09-4093-05	MACHINE SCREW (Sﾀｲﾄ2X3.5ｸﾛﾒｰ)
B 2A		N39-1722-46	PAN HEAD MACHIN SCREW
C 2D		N39-2025-46	PAN HEAD MACHIN SCREW
D 3B		N82-2005-46	BINDIG HEAD TAPTITE SCREW
E 3C		N19-2022-04	FLAT WASHER
F 3C		N19-2023-04	FLAT WASHER
G 1D		N19-2049-04	FLAT WASHER
H 3C		N19-2048-04	FLAT WASHER
M1 3A	*	T42-0729-34	MOTOR ASSY
M2 ,3 2B		T42-0731-05	DC MOTOR
PU1 2B		T25-0204-05	OPTICAL PICKUP HEAD
92 2C		W10-0703-04	PRISM

E: Europe **W**: Without Europe **P**: Canada **X**: Australia
K: U.S.A. and Canada **M**: Without Europe, U.S.A. and Canada

PARTS LIST

MARKING OF CHIP TRANSISTORS (SMT)
(DTAxxxxK, DTCxxxxK, 2SxxxxxK)

SMT (PNP)

形　名／Parts No.	標　印／Mark	形　名／Parts No.	標　印／Mark
DTA144EK	16	DTA114YK	54
DTA124EK	15	DTA143TK	93
DTA114TK	94	DTA114EK	14
DTA144WK	76	DTA143EK	13
DTA143XK	33	DTA124XK	35
DTA124TK	95	DTA144TK	96
DTA123EK	12	DTA123JK	E32
DTA143ZK	E13	DTA113JK	E11
DTA123YK	52	DTA114WK	74
DTA115EK	19	DTA115TK	99
DTA125TK	9A	DTA114GK	K14
DTA115GK	K19	DTA124GK	K15
DTA144GK	K12		

SMT (NPN)

形　名／Parts No.	標　印／Mark	形　名／Parts No.	標　印／Mark
DTC144EK	26	DTC114YK	64
DTC124EK	25	DTC143TK	03
DTC114TK	04	DTC114EK	24
DTC144WK	86	DTC143EK	23
DTC143XK	43	DTC124XK	45
DTC124TK	05	DTC144TK	06
DTC123EK	22	DTC123JK	E42
DTC143ZK	E23	DTC113ZK	E21
DTC123YK	62	DTC114WK	84
DTC115EK	29	DTC115TK	09
DTC125TK	0A	DTC114GK	K24
DTC115GK	K29	DTC124GK	K25
DTC144GK	K22		

SMT

形　名／Parts No.	略記号 ／ Mark	形　名／Parts No.	略記号 ／ Mark
2SA1036K	H	2SA1037K	F
2SA1037KLN	D	2SA1455K	G
2SA1514K	M	2SB852K	U
2SC2059K	J	2SC2411K	C
2SC2412K	B	2SC2412KLN	L
2SC2413K	A	2SC3082K	S
2SC3722K	I	2SC3802K	AL
2SC3837K	AC	2SC3838K	AD
2SC3839K	AE	2SC3906K	T
2SD1383K	W	2SD1484K	Y
2SD1757K	AA	2SD1781K	AF
2SD1782K	AJ		

MPT

形　名／Parts No.	略記号 ／ Mark	形　名／Parts No.	略記号 ／ Mark
2SB1132	BA	2SB1188	BC
2SB1189	BD	2SD1664	DA
2SD1766	DB	2SD1767	DC
2SD1384	DE		

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SPECIFICATIONS

Specifications subject to change without notice.

Digital Filter	8 Time Over Sampling
D/A Converter	1 bit
Wow & Flutter	Below Measurable Limit
Frequency Response (±1 dB)	5 Hz – 20 kHz
Signal to Noise Ratio	94 dB
Operating Temperature	–10 – 50 °C
Laser Diode Prorerties	
Meterial	GaAlAs
Wavelength	780 nm
Emissio Duration	Continuous
Lasr Outout Power	Less than 44.6 µW

*This output is the value measured at a distance of 200 mm for the objewctive lens surface on the Optical Pick-up block.

Note :
Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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